T&B® Electricians' Supplies

Wire Connectors and Termination Products L2-L9
Wire Installation and Wire Pulling Products L10-L18
Tools and Wire Stripping Products L19-L32
Grounding Accessories for Metal Boxes L33
Hardware and Rough-In Products L34-L46
Chemical Products L47-L51
Wire Testing Equipment L52-L54

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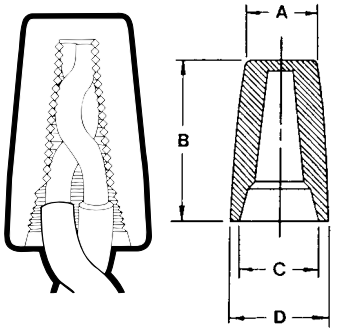
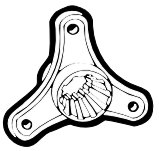


- *Five space efficient, color-coded sizes.*
- *Wire range #22-10 AWG copper only.*
- *Flame retardant thermoplastic shells.*
- *Deep, wide connector entry.*
- *Plated steel, square wire springs.*
- *U.L. Listed and CSA Certified.*
- *Rated 105°C (221°F).*
- *U.L. Standard 486C.*

Fixed Spring Wire Connectors

Cat. No.	Description	Range	Wire Min.	Wire Max.	Dimensions A	B	C	D	Std. Ctn.
Carton Packed									
10-100	(Hi-0) Gray	22-16	1 #20 w/1 #22	2 #16	13⁄64"	9⁄16"	21⁄64"	3⁄4"	100
10-102	(Hi-2) Blue	22-14	3 #22	3 #16	3⁄4"	11⁄16"	3⁄8"	5⁄16"	100
10-103	(Hi-3) Orange	22-14	3 #22	2 #14 w/1 #18	5⁄16"	27⁄32"	7⁄16"	3⁄8"	100
10-104	(Hi-4) Yellow	18-10	1 #14 w/1 #18	1 #10 w/1 #14	13⁄32"	15⁄16"	35⁄64"	15⁄32"	100
10-106	(Hi-6) Red	18-10	2 #14	4 #12	15⁄32"	1 3⁄64"	21⁄32"	17⁄32"	100
Bulk Packed									
10-110	(Hi-0) Gray	22-16	1 #20 w/1 #22	2 #16	13⁄64"	9⁄16"	21⁄64"	3⁄4"	1000
10-112	(Hi-2) Blue	22-14	3 #22	3 #16	3⁄4"	11⁄16"	3⁄8"	5⁄16"	1000
10-113	(Hi-3) Orange	22-14	3 #22	2 #14 w/1 #18	5⁄16"	27⁄32"	7⁄16"	3⁄8"	1000
10-114	(Hi-4) Yellow	18-10	1 #14 w/1 #18	1 #10 w/1 #14	13⁄32"	15⁄16"	35⁄64"	15⁄32"	1000
10-116	(Hi-6) Red	18-10	2 #14	4 #12	15⁄32"	1 3⁄64"	21⁄32"	17⁄32"	1000

U.L. File E-17010
CSA File LR-6541



1¾"
Diameter

For easy assembly of Hi-3, 4 and 6 wire connectors.

Fixed Spring Wire Connectors

Cat. No.	Description	Wire Range	Min.	Max.	Std. Ctn.
10-120	(Hi-0) Gray, Kegs of 25,000 (loose)	22-16	1 #20 w/1 #22	2 #16	25000
10-122	(Hi-2) Blue, Kegs of 10,000 (loose)	22-14	3 #22	3 #16	10000
10-153	(Hi-3) Orange	22-14	3 #22	2 #14 w/1 #18	10000
10-154	(Hi-4) Yellow	18-10	1 #14 w/1 #18	1 #10 w/1 #14	5000
10-156	(Hi-6) Red	18-10	2 #14	4 #12	2500

Available in gray, blue, orange, yellow and red.

"Lok-It" Wrench

Cat. No.	Description	Std. Ctn.
10-920	Connector assembly tool	10

Material: Polystyrene

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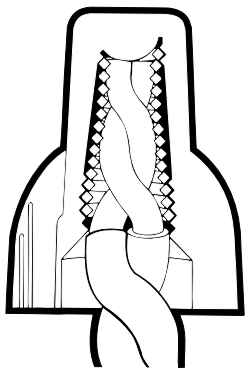
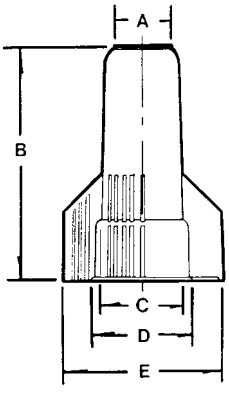
Freespring Winged Wire Connectors

Cat. No.	Description	Wire Range	Min.	Max.	Dimensions A	B	C	D	E	Std. Ctn.
Carton Packed										
10-602H	(Hi-Y) Yellow	22-10	2 #18	3 #12 Sol.	15⁄64"	1 3⁄64"	5⁄16"	27⁄64"	41⁄64"	1000
10-604H	(Hi-R) Red	18-8	2 #16	5 #12 Sol.	19⁄64"	1 3⁄16"	7⁄16"	33⁄64"	25⁄32"	1000
10-606H	(Hi-G) Gray	18-8	2 #12	3 #10 w/1 #12	5⁄16"	1 5⁄16"	15⁄32"	37⁄64"	27⁄32"	500
10-608	(Hi-B) Blue	14-6	1 #10 w/1 #12	1 #6 w/2 #8	3⁄8"	1 39⁄64"	37⁄64"	1⁄16"	1 3⁄32"	500
Bulk Packed										
10-612TB	(Hi-Y) Yellow	22-10	2 #18	3 #12 Sol.	15⁄64"	1 3⁄64"	5⁄16"	27⁄64"	41⁄64"	1000
10-614	(Hi-R) Red	18-8	2 #16	5 #12 Sol.	19⁄64"	1 3⁄16"	7⁄16"	33⁄64"	25⁄32"	1000
10-616	(Hi-G) Gray	18-8	2 #12	3 #10 w/1 #12	5⁄16"	1 5⁄16"	15⁄32"	37⁄64"	27⁄32"	1000
10-618	(Hi-B) Blue	14-6	1 #10 w/1 #12	1 #6 w/2 #8	3⁄8"	1 39⁄64"	37⁄64"	1⁄16"	1 3⁄32"	1000
Keg Packed (Poly-Bagged)										
10-652	(Hi-Y) Yellow	22-10	2 #18	3 #12 Sol.	15⁄64"	1 3⁄64"	5⁄16"	27⁄64"	41⁄64"	10000
10-654	(Hi-R) Red	18-8	2 #16	5 #12 Sol.	19⁄64"	1 3⁄16"	7⁄16"	33⁄64"	25⁄32"	5000
10-656	(Hi-G) Gray	18-8	2 #12	3 #10 w/1 #12	5⁄16"	1 5⁄16"	15⁄32"	37⁄64"	27⁄32"	2500
10-658	(Hi-B) Blue	14-6	1 #10 w/1 #12	1 #6 w/2 #8	3⁄8"	1 39⁄64"	37⁄64"	1⁄16"	1 3⁄32"	2500

U.L. File E-17010
CSA File LR-6541

- *Each size joins a wide range of conductor sizes and combinations.*
- *Four color-coded sizes.*
- *Wire range #22-6 AWG copper only.*
- *No need to pre-twist wires.*
- *Flame retardant thermoplastic shells.*
- *Plated steel, square wire springs.*
- *U.L. Listed and CSA Certified.*
- *Rated 105°C (221°F).*
- *U.L. Standard 486C.*





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Introducing T&B Marrette® Wire Connectors

In 1914, William Marr invented the world's first pressure type wire connector. Since then, Marrette® connectors have become synonymous with "best quality wire connector". Easy to install and comfortable in the hand, they are indispensable to electricians. And now they're available as key components of Thomas & Betts' Electricians' Supplies product line. This is very good news for your fingers.

How good are they?

The first thing you'll notice about T&B Marrette wire connectors is that they come in a variety of types and styles, making it easy for you to identify wire size at a glance.

Feature for feature here's what makes Marrette connectors significantly better than other connectors.

- Marrette connectors are the ONLY wire connector to offer a non-winged, variable-volume live-action spring in the connector. The spring expands to receive the conductors, rather than crushing them together, as typical non-winged competitors do.
- They can handle a broader range of wire connection combinations.
- They're coated with 100% pure copper, which reduces the corrosion common to tin and zinc-coated products.
- Marrette connectors' "finger friendly" design offers a truer grip for less hand fatigue during repeated use.
- They are the ONLY red non-winged connector that is U.L. listed for a pair of #8 awg wires.
- The high-grade polypropylene outer shell prevents "blooming" or "blossoming" of the connector side-wall. The outer shell maintains a constant moisture level, reducing the likelihood of the connector becoming dry, brittle, and subsequently cracked due to extreme heat or cold.

Marrette® XTP® (Non-Winged)

Cat No.	Wire Range*	Color	Min.	Max.
329™	22-16	Gray	1#22 + 1#20	2#16
330™	22-14	Blue	3#20	3#16
331	18-14	Orange	2#18	3#14
333	18-10	Yellow	1#14 + 2#18	1#10 + 2#14
335	18-8	Red	2#16 + 2#18	3#10

Marrette® Type II® (Winged)

Cat No.	Wire Range*	Color	Min.	Max.
733	18-10	Yellow	2#18	3#12
735	18-8	Red	2#14	2#10 + 2#12
739™	14-6	Blue	3#12	1#6 + 2#8

*AWG Solid or Stranded

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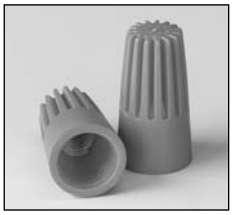

Marrette® XTP® (Non-Winged)

Cat No.	Description		Std. Ctn.
329-P	XTP-Gray	100 pc/box	1,000
329-BP	XTP-Gray	1,000 pc/bulk box	1,000
329-BK	XTP-Gray	10,000 pc/bulk box	10,000
330-P	XTP-Blue	100 pc/box	1,000
330-BP	XTP-Blue	1,000 pc/bulk box	1,000
330-BK	XTP-Blue	10,000 pc/bulk box	10,000
331-P	XTP-Orange	100 pc/bulk box	1,000
331-M	XTP-Orange	1,000 pc/**master**pak®	5,000
331-KP	XTP-Orange	500 pc/bag	10,000
333-P	XTP-Yellow	100 pc/box	1,000
333-M	XTP-Yellow	1,000 pc/**master**pak®	3,000
333-KP	XTP-Yellow	500 pc/bag	5,000
335-P	XTP-Red	100 pc/box	1,000
335-M	XTP-Red	500 pc/**master**pak®	2,000
335-KP	XTP-Red	250 pc/bag	5,000

Marrette® Type II® (Winged)

Cat No.	Description		Std. Ctn.
733-P	Type II - Yellow	100 pc/box	1,000
733-M	Type II - Yellow	1,000 pc/**master**pak®	3,000
733-KP	Type II - Yellow	500 pc/bag	5,000
735-P	Type II - Red	100 pc/box	1,000
735-M	Type II - Red	500 pc/**master**pak®	1,500
735-KP	Type II - Red	500 pc/bag	5,000
739-P	Type II - Blue	50 pc/box	500
739-M	Type II - Blue	250 pc/**master**pak®	1,000
739-KP	Type II - Blue	100 pc/bag	2,500

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Marrette® Maxx™ Wire Connectors

The T&B Marrette Maxx is the "one wire connector" designed to accommodate over 95% of your wire connection needs in a single wire connector. The swept back ergonomic wing design gives improved leverage for easier installation. No special tools needed and no pre-twisting of wires required. Whether you're installing minimum or maximum wire combinations, the T&B Marrette Maxx takes them on. "Don't be short ranged… take your wire connector needs to the Maxx!"

- *Widest range single wire connector.*
- *U.L. Listed for combinations from #6 to 22 AWG.*
- *Copper coated live action spring.*
- *Finger friendly design makes connector easier to grip and turn.*
- *600 volt rating gives you added confidence of installation on all wire connections.*
- *Swept back wing has excellent ergonomic design.*

Marrette® Maxx™ 622

Cat No.	Description	Wire Range*	Min.	Max.	Std. Ctn.
Carton Packed					
622-P	Marrette Maxx	#6-22	4#22	1#6 w/1#10	1000
Carton Packed					
622-KP	Marrette Maxx Keg Pack	#6-22	4#22	1#6 w/1#10	5000

- *Accommodates 14 to 10 AWG ground wires.*
- *Fulfills the need to ground wires with a U.L. listed connector.*
- *Accepts multiple ground conductors.*
- *Swept back wing design affords installer good leverage to make ground connections.*
- *Swept back wing creates less box fill.*

Marrette® Green™ 1410

Cat No.	Description	Wire Range*	Min.	Max.	Std. Ctn.
Carton Packed					
1410-P	Marrette Green	#14-10	1#14	3#10	1000
Carton Packed					
1410-KP	Marrette Green Keg Pack	#14-10	1#14	3#10	2500

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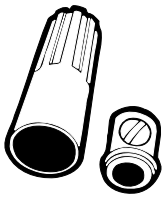


The nylon insulating shells resist heat, cold and impact with a temperature rating of 105°C (221°F) max. Rated: 600 volt.

- *Threaded brass inserts for vibration resistant connections.*
- *Easily removed.*
- *Color-coded nylon insulating shells.*
- *U.L. Listed and CSA Certified.*

T&B Set Screw Wire Connectors

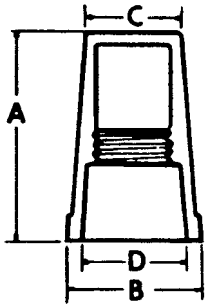
Threaded brass inserts provide vibration resistant connections that are easily removed for disconnection, visual inspection or rewiring. Thomas & Betts set screw wire connectors feature flexible, color-coded nylon insulating shells, which are compact for tight applications.

Set Screw Wire Connectors

Cat. No.	Description	Wire Range*	Min.	Max.	Dimensions A	B	C	D	Std. Ctn.
Carton Packed									
10-305	(SS-0) Orange	18-12	2 #18	1 #12 w/3 #18	15⁄16"	7⁄16"	23⁄64"	3⁄8"	100
10-307	(SS-2) Red	18-10	6 #18	2 #10 w/1 #12	1 3⁄32"	39⁄64"	33⁄64"	35⁄64"	100
Bulk Packed									
10-315	(SS-0) Orange	18-12	2 #18	1 #12 w/3 #18	15⁄16"	7⁄16"	23⁄64"	3⁄8"	1000
10-317	(SS-2) Red	18-10	6 #18	2 #10 w/1 #12	1 3⁄32"	39⁄64"	33⁄64"	35⁄64"	1000

* Solid only
U.L. File E-17010
CSA File LR-6541

10-306 and 10-316 have been superceded by IBP.



Marrette® Set Screw Vibration Proof/Visible Connection

The Marrette® Set Screw is a two-piece, pressure type connector, featuring a solid brass insert with a screw-on insulating cap. It's the perfect choice when changing a motor, adding a circuit, conducting instrument testing or simply lashing-up temporary wiring.

External Cap

- Made of rugged, phenolic material and 150°C-rated.
- Insulator cap locks securely in place to safeguard against accidental loosening in high vibration applications.

Brass Insert

- Choice of slot or Robertson Set Screw.

When tightening into the insert, provides a solid pressure type connection on all approved wire combinations.

- No need to "re-strip" wires when re-wiring. Simply loosen set screw to remove non-twisted wires.
- CSA (LR6591), UL (424H) – approved for circuits up to 600V, and lighting fixtures and signs up to 1,000V.
- Convenient packaging – sized right and job-site ready!

Marrette Set Screws

Cat No.	Description	Wire Range*	Min.	Max.	Std. Ctn.	Std. Pkg.
1P	Marr Set Screw Small Slot-head	#18-12			100	1000
1SHP	Marr Set Screw Small Robertson	#18-12			100	1000
2P	Marr Set Screw Large Slot-head	#18-10			100	1000
2SHP	Marr Set Screw Large Robertson	#18-10			100	1000
1C-CDN	Marr Set Screw Small Slot-head	#18-12			3/Card	10 Cards
2C-CDN	Marr Set Screw Large Slot-head	#18-10			3/Card	10 Cards

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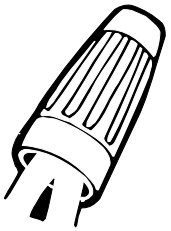
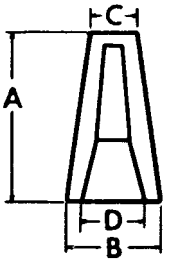


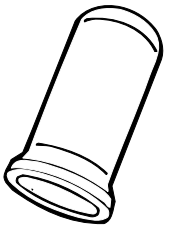
- *For high temperature applications over 105°C.*
- *Three sizes accommodate #18-14 AWG stranded copper.*
- *300 Volt rated.*
- *U.L. Listed and CSA Certified.*
- *U.L. Standard 486C.*

Porcelain Wire Connectors – High Temperature

Cat. No.	Description	Wire* Range	Min.	Max.	Dimensions A	B	C	D	Std. Ctn.
Carton Packed									
10-401	(Hi-1)	18-14	2 #18	1 #18 w/2 #16	1 1/16"	13/32"	3/16"	1/4"	100
10-405	(Hi-5)	18-14	2 #18	2 #16 w/2 #18	3/4"	31/64"	13/64"	5/16"	100
10-477	(Hi-7)	18-14	2 #18	4 #16	27/32"	17/32"	7/32"	13/32"	100
Multi-Carton Packed									
10-411	(Hi-1)	18-14	2 #18	1 #18 w/2 #16	1 1/16"	13/32"	3/16"	1/4"	1000
10-415	(Hi-5)	18-14	2 #18	2 #16 w/2 #18	3/4"	31/64"	13/64"	5/16"	1000
10-417	(Hi-7)	18-14	2 #18	4 #16	27/32"	17/32"	7/32"	13/32"	1000
Bulk Packed									
10-421	(Hi-1)	18-14	2 #18	1 #18 w/2 #16	1 1/16"	13/32"	3/16"	1/4"	10000
10-425	(Hi-5)	18-14	2 #18	2 #16 w/2 #18	3/4"	31/64"	13/64"	5/16"	5000
10-427	(Hi-7)	18-14	2 #18	4 #16	27/32"	17/32"	7/32"	13/32"	5000

* Stranded only
U.L. File E-17010
CSA File LR-6541
See technical catalog for complete UL & CSA wire combinations.



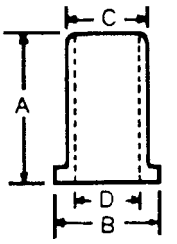


- *Zinc plated, chromate treated steel.*
- *Two sizes accommodate #18-8 AWG copper.*
- *U.L. Listed and CSA Certified.*

Crimp Sleeve Wire Connectors

Cat. No.	Description	Wire* Range	Min.	Max.	Dimensions A	B	C	D	Std. Ctn.
Carton Packed									
10-500	(Hi-410)	18-10*	1 #14 w/1 #18	2 #10 w/1 #12	3/8"	19/64"	1/4"	13/64"	50
10-501	(Hi-411)	18-8	3 #12	4 #10	39/64"	23/64"	5/16"	17/64"	50
Bulk Packed									
10-510	(Hi-410)	18-10*	1 #14 w/1 #18	2 #10 w/1 #12	3/8"	19/64"	1/4"	13/64"	1000
10-511	(Hi-411)	18-8	3 #12	4 #10	39/64"	23/64"	5/16"	17/64"	1000

* Stranded only
Installation tool 18-500
U.L. File E-17010
CSA File LR-6541
See technical catalog for complete UL & CSA wire combinations.



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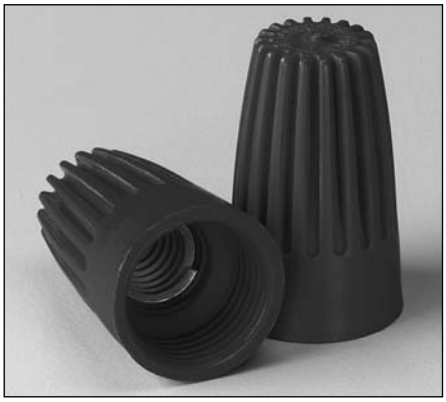

Marrette® Black™ High Temperature Wire Connectors

The Marrette® Black™ connector's high temperature rating makes it the best solution for high wattage lighting fixtures and signs.

External Cap

- Made of rugged, phenolic material and 150°C-rated.
- Large, finely ribbed, "barrel-shaped" cap – makes it easier to grip even when hands are greasy or damp.
- Deep, wide throat ensures full insulation coverage.
- Threaded entry helps guide large wire bundles right into the spring.

Inner spring

- Internal round spring design multiplies the "twist-on" torque applied by the leverage and wedge action, to firmly crush wires into a solid joint.
- Model #37 Black™ – uses a square wire expansion spring for additional gripping power on large conductor combinations.
- Unique copper-coated spring helps resist corrosion.
- CSA (LR6591), UL (424H)
  - Model nos. 29 & 30 Black™ are approved for circuit and fixture type connections up to 300V only.
  - Model nos. 31, 33, 35 & 37 Black™ are approved for circuits up to 600V, and lighting fixtures and signs up to 1,000V.
- Convenient packaging - sized right and job-site ready!

Marrette Black High Temperature Wire Connectors

Cat No.	Description	Wire Range*	Model	Std. Ctn.
29P	Black	#22-16	29	1000
29BP	Black	#22-16	29	1000
29BK	Black	#22-16	29	10000
30P	Black	#22-14	30	1000
30BP	Black	#22-14	30	1000
30BK	Black	#22-14	30	10000
31P	Black	#18-14	31	1000
31KP	Black	#18-14	31	5000
31BP	Black	#18-14	31	1000
31BK	Black	#18-14	31	10000
33P	Black	#18-12	33	1000
33KP	Black	#18-12	33	5000
33BP	Black	#18-12	33	10000
33BK	Black	#18-12	33	10000
35P	Black	#18-10	35	1000
35KP	Black	#18-10	35	2500
35BP	Black	#18-10	35	1000
35BK	Black	#18-10	35	5000
37P	Black	#16-8	37	500
37BP	Black	#16-8	37	500

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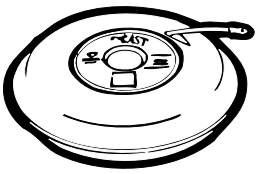
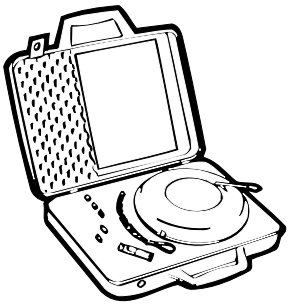
Ultralite Fishing Rod System

- Best combination of rigidity, flexibility and strength available in any fish tape
- Easily negotiates multiple bends, even in flexible conduit
- All non-metallic construction with high dielectric properties—reduces personal hazards around hot circuits
- Tighter bending radius than conventional fish tapes; only ¼ the pulling effort
- Field repairable if broken

Caution: First time users of Ultralite Rod should thoroughly review instructions provided with each unit to insure satisfaction and best performance. Ultralite is different from any other conduit fishing tool and may require retraining.





Dispenser/Storage System

Cat. No.	Description	Std. Ctn.
14-806	8½" Diameter Reel-50' x ⅛" Rod	6
14-807	12" Diameter Reel-100' x ⅛" Rod	6
14-808	12" Diameter Reel-200' x ⅛" Rod	6
14-830	⅛" x 50' SpinCast Disc Dispenser	6
14-831	⅛" x 100' SpinCast Disc Dispenser	6
14-832	3⁄16" x 150' SpinCast 2 Dispenser	4
14-833	3⁄16" x 200' SpinCast 2 Dispenser	4
14-834	3⁄16" x 250' SpinCast 2 Dispenser	4

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Fishing Rod System Accessories and Replacement Parts

Threaded red ends make it easy to attach a variety of leaders and pulling attachments to handle specific fishing applications. Accessories simply screw on and off for great versatility.

Fishing Leaders

Spring balls in assorted sizes easily attach to UltraLite threaded rod ends to nudge past obstacles in occupied ducts.

Pulling Attachments

Choose the size and style you need to complete fishing jobs in record time.

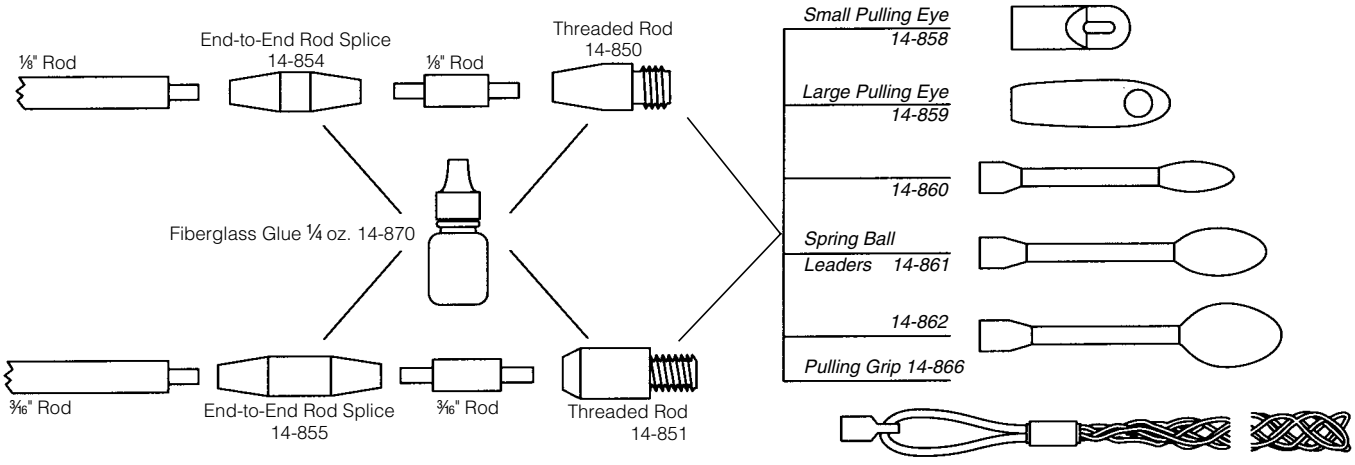
Small and large pulling eyes accommodate a wide range of wire bundles. Pulling grip attaches easily to wire bundles without the usual time-consuming wrapping. Grips the bundle tightly throughout the pull.

Repair Parts

End-to-End splice lets you join two UltraLite rods for repair or to extend length. Both threaded rod ends and splice attach securely with special Fiberglass glue for easy field repairs.

Accessories and Replacement Parts

UltraLite Rod Size			
⅛" Cat. No.	3⁄16" Cat. No.	Description	Std. Ctn.
		Fishing Leaders	
14-860	**14-860**	¼" Dia. Spring Ball	60
14-861	**14-861**	⅜" Dia. Spring Ball	60
14-862	**14-862**	½" Dia. Spring Ball	60
		Pulling Attachments	
14-858	**14-858**	Small Pulling Eye (.090 slot)	60
14-859	**14-859**	Large Pulling Eye (.270 slot)	60
14-866	**14-866**	Pulling Grip	6
		Repair Parts	
14-850	**14-851**	Threaded Rod End	60
14-854	**14-855**	End-to-End Rod Splice	60
14-870	**14-870**	Fiberglass Glue (¼ ounce)	60



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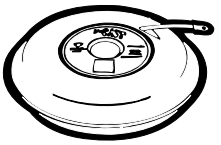


Wallfisher™ – for Stud Wall Construction

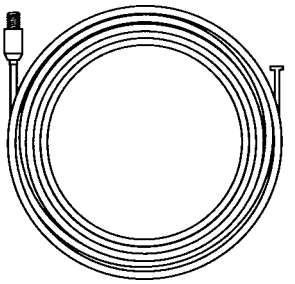
Cat. No.	Description	Std. Ctn.	Std. Pkg.
14-815	25' x 3⁄16" Rod in Disc Dispenser*	1	3

*includes large pulling eye

- *Extra flexible monofilament nylon.*
- *Non-Conductive material for work near live circuits.*
- *Spring steel leader with ball included.*
- *Also available in 12" diameter high-impact plastic reel with winder.*

Nylon Fish Tape

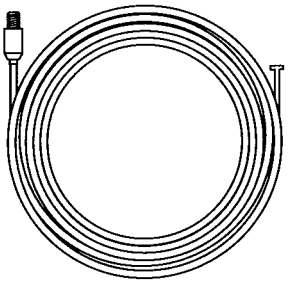
Cat. No.	Description	Std. Ctn.	Std. Pkg.
14-304	100' x 5⁄32" diameter	1	6
14-305	100' with 12" Tapemaster Reel and Winder	1	6



- *Extra flexible steel construction.*
- *Solid steel core spiral wrapped with steel wire.*
- *Spring action, excellent tensile strength.*
- *Ball on both ends of coils.*
- *Also available in high-impact plastic reel with winder.*

Flexible Steel Fish Tape

Cat. No.	Description	Std. Ctn.	Std. Pkg.
14-310	25'—Ball on both ends	1	6
14-311	50'—Ball on both ends	1	6
14-320	50'—with 12" Tapemaster Reel and Winder	1	6



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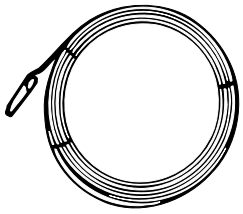
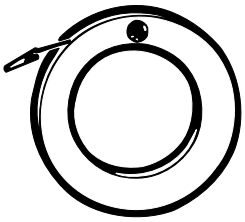


- *Best quality, spring steel fish tape in coils.*
- *Without dispenser reel.*
- *Oil tempered, flat spring steel.*
- *Rigid, with flexible spring action.*
- *Excellent tensile strength.*
- *Comes with preformed hook.*

Steel Fish Tape Coils

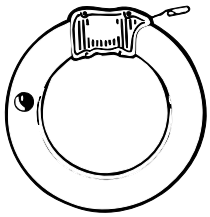
Cat. No.	Description	Std. Ctn.
14-205	50' x ⅛" x .045" (3/64")	6
14-206	100' x ⅛" x .045" (3/64")	6
14-207	50' x ⅛" x .060" (1/16")	6
14-208	100' x ⅛" x .060" (1/16")	6
14-209	200' x ⅛" x .060" (1/16")	6
14-210	100' x ¼" x .060" (1/16")	6
14-211	200' x ¼" x .060" (1/16")	6



Best quality flat spring steel fish tape in chrome plated steel reel.

Steel Fish Tape with Steel Reel

Cat. No.	Description	Reel Dia.	Std. Ctn.
14-140	50' x ⅛" x .045" (3/64")	8"	6
14-150	50' x ⅛" x .060" (1/16")	8"	6
14-200	100' x ⅛" x .060" (1/16")	12"	6
14-201	200' x ⅛" x .060" (1/16")	12"	6



Steel Fish Tape with Steel Reel and Winder

Cat. No.	Description	Std. Ctn.
14-215	Combination No. 14-200 with No. 14-220	6
14-216	Combination No. 14-201 with No. 14-220	6
14-220	Tapemate Winder for 12" diameter reels	6

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Wire Pulling Lubricants

T&B offers a choice of wire and cable pulling lubricants. The popular standard base, cold weather and advanced engineered polymer base lubricants are available. Each features superior stability, adherence, and cable compatibility as well as excellent lubricating properties.

- ***Preferred semi-synthetic base formulation.***
- ***Retains lubricating properties and will not separate up to 200°F.***
- ***Will not separate after freezing.***
- ***Superior adherence to cable.***
- ***Recommended for use on all commonly used wire and cable including high voltage cable and all U.L. listed conduits.***
- ***Dries to slick, waxy film.***
- ***Non-toxic, no silicones, non-staining, easy clean up.***

Wire Pulling Lubricant – Semi-Synthetic Base

Cat. No.	Description	Std. Ctn.
15-230	1 Quart	12
15-231	1 Gallon	4
15-232	5 Gallon	1
15-233	55 Gallon	1
15-235	Fast Draw 14 oz. aerosol can	12
15-236	Squeeze Bottle, one quart	12

Suitable for use with wire or cable insulated with rubber (R, RH, etc.), Neoprene, nylon and PVC plastics (T,TW, THW THHN, etc.), Hypalon*, high density polyethylene and Cross Linked Polyethlene (XLP). Not recommended for use on asbestos or low density polyethylene insulated cables. Compatible with semiconducting jackets present on high voltage cable. Meets the requirements of ICEA Standards:

ICEA #S-61-402/NEMA Pub. #WC5
ICEA #S-66-524/NEMA Pub. #WC7.

U.L. File E-43782

*Hypalon is a registered trademark of E.I. DuPont.

For 24 hour safety and MSDS requirements, call Chemtrec at 800-424-9300.

Technical Information

1. pH:7.9
2. Coefficient of Friction (wet and dry residue)
   sliding wet—0.07
   sliding dry—0.08
3. Color: yellow
4. Weight per gallon: 8.26 lbs.
5. Freezing Point: +25°F (-4°C)
6. High Temperature Stability: 200°F (93°C)
7. Non-toxic, nonstaining, contains no silicones

Note: Additional test data available upon request.

- ***Preferred semi-synthetic base formulation.***
- ***Retains lubricating properties and will not separate down to -20°F/-30°C.***
- ***Will not separate after freezing.***
- ***Superior adherence to cable.***
- ***Recommended for use on all commonly used wire and cable including high voltage cable.***
- ***Dries to a soft smooth film.***
- ***Non-toxic, no silicones, non-staining, easy clean up.***
- ***For use in all seasons.***

Cold Weather Wire Pulling Lubricant –Semi-Synthetic Base

Cat. No.	Description	Std. Ctn.
15-630CW	1 Quart	12
15-631CW	1 Gallon	4
15-632CW	5 Gallon	1
15-633CW	50 Gallon	1
15-636CW	Squeeze Bottle, one quart	12

All-weather compound designed to be used below freezing temperature. Provides all the properties necessary to maintain a free flowing lubricated surface. Retains lubricating properties and will not separate at temperatures down to -20°F or -30°C.

Technical Information

1. pH:8.5
2. Coefficient of Friction (wet and dry residue)
   sliding wet—0.08
   sliding dry—0.09
3. Color: yellow
4. Weight per gallon: 8.65 specific gravity 1.04
5. Freezing Point: -20°F (-30°C)
6. High Temperature Stability: 200°F (93°C)
7. Non-toxic, nonstaining, contains no silicones

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WireSlick™ Wire and Cable Pulling Lubricant*

WireSlick wire and cable pulling lubricant represents the latest in polymer technology. An economical formulation, WireSlick lubricant polymer base provides extremely good thermal stability and a lower freezing point (20° F) than clay, soap or wax base formulations.

WireSlick is recommended for use with wire or cable insulated with rubber (R, RH, etc.), Neoprene; nylon and PVC plastics (T, TW, THW, THHN, etc.); Hypalon*; High Density Polyethylene and Cross Linked Polyethylene (XLP). It is also compatible with high voltage cable having semi-conducting jackets.

WireSlick has been tested and passes the requirements of ICEA Standards:

ICEA #S-61-402/NEMA Pub. #WC5.
ICEA #S-66-524/NEMA Pub. #WC7.

- ***Polymer base formulation.***
- ***Universally compatible with all types of wire and cable.***
- ***Widely used by power and telephone utilities.***
- ***Economical lubricant.***

Wire and Cable Pulling Lubricant

Cat. No.	Description	Std. Ctn.
15-636	1 quart squeeze bottle	12
15-631	1 gallon pail	4
15-632	5 gallon bucket	1
15-633	55 gallon drum	1

* For 24 hour safety and MSDS requirements, call Chemtrec 800-424-9300.
U.L. File E-43782

Technical Information

1. pH:8.2
2. Coefficient of Friction (wet and dry residue)
   sliding wet—0.11
   sliding dry—0.17
3. Color: orange
4. Weight per gallon: 10 lbs.
5. Freezing Point: +20°F (-7°C)
6. High Temperature Stability: 200°F (93°C)
7. Non-toxic, nonstaining, contains no silicones
   Note: Additional test data available upon request.

* Hypalon is a registered trademark of E.I. DuPont.

- ***Wax base that is gentle on the hands.***
- ***Non-toxic, non-staining and easy to clean up.***
- ***Enviromentally safe.***

Wire Pulling Lubricant – Aerosol

Cat. No.	Description	Std. Ctn.
15-235	Wax-based wire pulling lubricant	12

For use on rubber, neoprene, nylon, PVC, HDPE, XLP, and lead covered wire and cable-in steel, aluminum and other approved conduits. Protects insulation with a super thick non-drying film that makes it easy to pull wires through conduit.

Warning: Do not use on high voltage conductor having an exposed semi-conductive jacket. As with other wax base compounds, such usage may result in loss of electrical shielding and insulation failure. For this application use WireSlick® Polymer base wire and cable pulling lubricant from T&B.

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Utility Grade Cable Pulling Lubricant

T&B Utility grade cable pulling lubricant can be used by electric utilities and telecommunications companies. This utility grade polymer base provides extremely good thermal stability and is recommended for use with wire or cable insulated with rubber (R, RH etc.), neoprene, nylon and PVC plastics (T, TW, THW, THHN, etc.); Hypalon*; high density polyethylene and cross linked polyethylene (XLP). It is also compatible with high voltage cable having semi-conducting jackets.

ICEA #S-61-402/NEMA Pub. #WC5
ICEA #S-66-524/NEMA Pub. #WC7

- ***Polymer base formulation.***
- ***Universally compatible with all types of wire and cable.***
- ***Widely used by power and telephone utilities.***
- ***Economical lubricant.***
- ***Non-toxic, no silicones, non-staining.***

Utility Grade Cable Pulling Lubricant

Cat. No.	Description	Std. Ctn.
15-636UT	1 quart squeeze bottle	12
15-631UT	1 gallon pail	4
15-632UT	5 gallon bucket	1
15-633UT	50 gallon drum	1

Technical Information
1. pH:8.5
2. Coefficient of Friction (wet and dry residue)
   sliding wet—0.08
   sliding dry—0.09
3. Color: clear
4. Weight per gallon: 8.25 Specific Gravity 0.990
5. Freezing point: 32°F (0°C)
6. High temperature stability: 200°F (93°C)

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Conduit Benders

T&B Conduit Benders include manual Benders and Hickeys for easy and accurate bending of d" to 1b" EMT, and d" to 1" rigid and IMC conduit.

T&B offers you a choice. From the unparalleled durability of our Ductile-Iron Benders, to economical Aluminum-Alloy Benders. High-Strength, case hardened handles are also available for a bending system designed to last a lifetime.

- Durable construction
- Embossed benchmark symbols and degree scales "Raised Indeces"
- Flat backed hook
- Offset bending guide included on each handle
- 40% stronger than malleable iron
- Traditional design with increased strength

• Guaranteed against breakage for life.
• Extended foot pedal.
• Hinged foot pedal 18-706 only.

Ductile-Iron Conduit Benders

Cat. No.	Description	For Bending	Use Handle	Std. Ctn.
18-701	Bender	½" EMT	18-719	6
18-702	Bender	¾" EMT, ½" Rigid	18-719	6
18-703	Bender	1" EMT, ¾" Rigid	18-720	4
18-706	Bender – Hinged foot pedal	1¼" EMT, 1" Rigid, 1" IMC	18-721	1
18-710	Hickey*	½" EMT	18-719	10
18-711	Hickey*	¾" EMT, ½" Rigid, ½" IMC	18-719	10
18-712	Hickey*	1" EMT, ¾" Rigid, ¾" IMC	18-720	4

* Malleable Iron

Conduit Bender Handles—with Benders

Cat. No.	Description	For Bending	Bender Handle	Std. Ctn.
18-701H	Iron Bender w/Handle, ductile iron	½" EMT	18-701/18-719	4
18-702H	Iron Bender w/Handle, ductile iron	¾" EMT, ½" Rigid	18-702/18-719	3
18-703H	Iron Bender w/Handle, ductile iron	1" EMT, ¾" Rigid	18-703/18-720	1
18-741H	Aluminum Bender w/Handle	½" EMT	18-741/18-719	4
18-742H	Aluminum Bender w/Handle	¾" EMT, ½" Rigid	18-742/18-719	3

Conduit Bender Handles

Cat. No.	Description	For Models	Std. Ctn.
18-719	Bender Handle, ¾" x 38" (expanded end)	18-701, 18-702, 18-741, 18-742, 18-710, 18-711	4
18-720	Bender Handle, 1" x 44"	18-703, 18-712	3
18-721	Bender Handle, 1¼" x 54"	18-706	1

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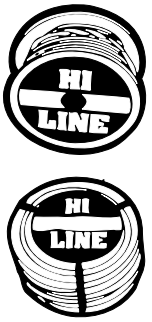
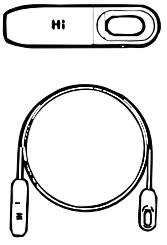


- *For heavy cable pulling to area roping.*
- *Lighter than nylon or manila—floats.*
- *50% stronger than manila.*
- *Unaffected by grease, oil, acids, alkalies or ultraviolet light.*
- *Low friction, no gloves necessary.*

Polypropylene Rope

Cat. No.	Description	Tensile** Strength	Working** Load	Std. Ctn.
14-510	1/16" x 250 ft. Spool	800 lbs.	80 lbs.	1
14-512	1/16" x 600 ft. Spool	800 lbs.	80 lbs.	1
14-514	1/16" x 1200 ft. Spool	800 lbs.	80 lbs.	1
14-520	1/4" x 250 ft. Spool	1250 lbs.	125 lbs.	1
14-522	1/4" x 600 ft. Spool	1250 lbs.	125 lbs.	1
14-524	1/4" x 1200 ft. Spool	1250 lbs.	125 lbs.	1
14-530	3/8" x 50 ft. Coilette	2700 lbs.	270 lbs.	1
14-532	3/8" x 100 ft. Coilette	2700 lbs.	270 lbs.	1
14-534	3/8" x 250 ft. Spool	2700 lbs.	270 lbs.	1
14-536	3/8" x 600 ft. Spool	2700 lbs.	270 lbs.	1
14-538	3/8" x 1200 ft. Spool	2700 lbs.	270 lbs.	1
14-540	1/2" x 50 ft. Coilette	4200 lbs.	467 lbs.	1
14-542	1/2" x 100 ft. Coilette	4200 lbs.	467 lbs.	1
14-544	1/2" x 250 ft. Spool	4200 lbs.	467 lbs.	1
14-546	1/2" x 600 ft. Spool	4200 lbs.	467 lbs.	1
14-548	1/2" x 1200 ft. Spool	4200 lbs.	467 lbs.	1
14-550	5/8" x 250 ft. Spool	6200 lbs.	775 lbs.	1
14-552	5/8" x 600 ft. Spool	6200 lbs.	775 lbs.	1
14-554	5/8" x 1200 ft. Spool	6200 lbs.	775 lbs.	1
14-560	3/4" x 300 ft. Spool	8500 lbs.	1214 lbs.	1
14-562	3/4" x 600 ft. Spool	8500 lbs.	1214 lbs.	1
14-564	3/4" x 1200 ft. Spool	8500 lbs.	1214 lbs.	1

** Figures apply to new, unused rope.



Steel Fish Tape Accessories

Cat. No.	Description	Std. Ctn.
14-170	Ball End for 1/8" or 1/4" flat steel tape	6
14-172	12" Flexible Leader End with Ball for 1/8" or 1/4" flat steel tape	6

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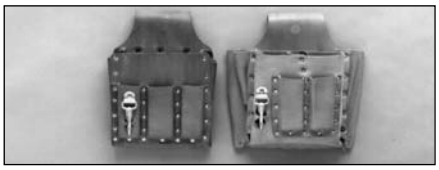
Bags & Pouches

Pouches are equipped with multiple plier pockets, large pockets, side loops, and knife snaps. Constructed of top grain leather which is double stitched and reinforced with rivets. Special tunnel loop design will accommodate a variety of belt sizes.

Canvas Tool Bags

Cat. No.	Description	Std. Ctn.
18-CB16	16"L x 14"D	10
18-CB18	18"L x 16"D	10

Durable bag made of heavy-duty 16 oz. #10 cotton canvas with naugahyde bottom and rivet fastened top grain leather handles. Includes a large inside pocket and a rigid 12 gauge recessed steel frame.



Leather Pouches

Cat. No.	Description	Std. Ctn.
18-PL6	6 Pocket	5
18-PL9	9 Pocket	5
18-PB9	9 Pocket Pouch and Belt Set	6

Professional Electrician's Tool Set

Cat. No.	Description	Std. Ctn.
18-PCH1	10-piece combination tool set in black leather pouch. Set includes:	1
	• **18-PB9** Leather Tool Pouch with Belt	–
	• **18-SQ6** 6" Square Shank Screwdriver	5
	• **18-CT63** 3⁄16" Cabinet Tip Screwdriver, 6" Shank	5
	• **18-RS4** 4" Round Shank Screwdriver	5
	• **18-P24** 2 Pt. Phillips Screwdriver, 4" Shank	5
	• **18-800** Wire Stripping Tool	6
	• **18-LP9** 9" New England Style Pliers	5
	• **18-AW8D** 8" Adjustable Wrench	5
	• **18-125TB** 1" X 25 ft. Tape Measurer	6
	• **18-TG10** 10" Tongue and Groove Pliers	5
	• **18-LN7** 7" Long Nose Pliers with Cutter	5

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Drill Bits

T&B Drill Bits include the finest quality carbide tip bits for drilling in all types of masonry. Jobbers length High Speed twist drills are made of top quality high speed steel.

- *Carbide tip drills stay sharp longer; easily resharpened on pedestal or bench type grinder.*

Masonry Drill Bits

Cat. No.	Nom. Dia.	Drill Length	Shank Dia.	Std. Ctn.
56-103	3⁄16"	3"	3⁄16"	6
56-104	1⁄4"	4"	13⁄64"	6
56-105	5⁄16"	4"	1⁄4"	6
56-106	3⁄8"	4"	1⁄4"	6
56-108	1⁄2"	6"	3⁄8"	6

- *For general purpose drilling of steel, wood, or plastic*

High Speed Twist Drills

Cat. No.	Dia.	Length	Length of Twist	Std. Ctn.
57-000	1⁄16"	1 7⁄8"	7⁄8"	10
57-001	5⁄64"	2"	1"	10
57-002	3⁄32"	2 1⁄4"	1 1⁄4"	10
57-003	7⁄64"	2 5⁄8"	1 1⁄2"	10
57-004	1⁄8"	2 3⁄4"	1 5⁄8"	10
57-005	9⁄64"	2 7⁄8"	1 3⁄4"	10
57-006	5⁄32"	3 1⁄8"	2"	10
57-007	11⁄64"	3 1⁄4"	2 1⁄3"	10
57-008	3⁄16"	3 1⁄2"	2 5⁄16"	10
57-009	13⁄64"	3 5⁄8"	7⁄16"	10
57-010	7⁄32"	3 3⁄4"	2 1⁄2"	10
57-011	15⁄64"	3 7⁄8"	2 5⁄8"	10
57-012	1⁄4"	4"	2 3⁄4"	10
57-013	17⁄64"	4 1⁄8"	2 7⁄8"	3
57-016	5⁄16"	4 1⁄2"	3 3⁄16"	3
57-020	3⁄8"	5"	3 5⁄8"	6
57-053	7⁄16"	5 1⁄2"	4 1⁄16"	3
57-057	1⁄2"	6"	4 1⁄2"	3

High Speed Drill Set

Cat. No.	Description	Std. Ctn.
57-091	15 piece set, 1⁄16" to 1⁄2" by 32nds	1

15 piece drill set in handy metal storage case.

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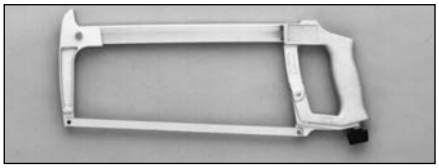
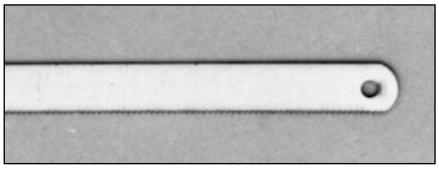
Electrician's Hand Tools – Hack Saws

High tension frame provides faster, simpler cutting. Easy to use tension knob will tighten to 28,000 PSI to prevent twisting and binding of the blade. Hack saw frames are made of cast aluminum with an extra thick tubular steel bar for added strength. Blades can be conveniently stored in the tube. Saws can cut both straight and 45 degree angles and a set screw in the tube allows the blade to be used as a "jab saw" in tight places.



Hack Saws

Cat. No.	Description	Std. Ctn.
18-HSH	Heavy Duty	4



Hack Saw Blades

Cat. No.	Description	Std. Ctn.
18-HB18HS	Blade 18 Teeth High Speed	10
18-HB24HS	Blade 24 Teeth High Speed	10
18-HB32HS	Blade 32 Teeth High Speed	10

Electrician's Hand Tools – Hammers

Shock absorbent handles have a hollow core of fiberglass to provide balance and strength. Handles are "Sure-Lock" fitted to the head by a steel wedge inserted under 3,000 lbs. of hydraulic pressure and eye-sealed with a special epoxy. Contoured, slip-resistant grips are vulcanized to the handles. Manufactured with polished heads, sides and claws.

Hammers

Cat. No.	Description	Std. Ctn.
18-ECH	Electrician's	4
18-SCH	Straight Claw	4
18-CCH	Curved Claw	4

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Electrician's Hand Tools – Insulated Tools –1000 Volts

Double insulated for use in potentially hazardous electrical work environments provide protection against flash-over shock and burns. T&B insulated tools are tested to 10,000 vac and rated for 1000 vac. They comply with IEC 900 and ASTM standards, and meet OSHA safe work practice standards.

Insulated Tools–1000 Volt

Cat. No.	Description	Std. Ctn.
18-DP8-INS	8" Insulated diagonal cutting pliers	5
18-AP8-INS	8" Insulated angled cutting pliers	5
18-LP9-INS	9" Insulated lineman cutting pliers	5
18-LN6-INS	6" Insulated long nose with cutter	5
18-LN7-INS	7" Insulated long nose with cutter	5
18-LN8-INS	8" Insulated long nose with cutter	5
18-TG10-INS	10" Insulated tongue and groove	5
18-CC9-INS	9½" Insulate cable cutter	5
18-CT43-INS	3⁄16" tip, insulated cabinet 4" shank	5
18-CT63-INS	3⁄16" tip, insulated cabinet 6" shank	5
18-CT83-INS	3⁄16" tip, insulated cabinet 8" shank	5
18-RS4-INS	Insulated round 4" shank	5
18-RS6-INS	Insulated round 6" shank	5
18-RS8-INS	Insulated round 8" shank	5
18-P13-INS	1 pt. insulated phillips 3" shank	5
18-P24-INS	2 pt. insulated phillips 4" shank	5
18-P36-INS	3 pt. insulated phillips 6" shank	5
WT112M-INS	Insulated Sta-Kon installation tool	5
WT161M-INS	Insulated Sta-Kon installation tool	5

WARNING: Should yellow insulation become visible through the blue outer layer, remove the tool from service immediately. T&B insulated tools offer secondary protection and are not meant to be used in place of the user's personal protective equipment.

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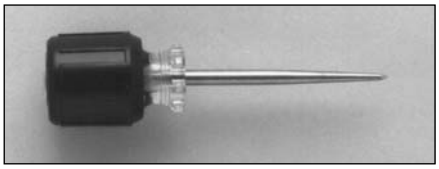
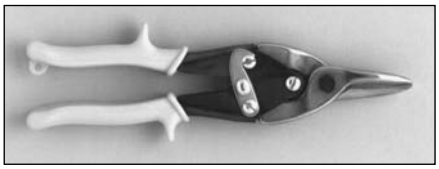
Electricians' Hand Tools - Miscellaneous



7" Awl

Cat. No.	Description	Std. Ctn.
18-AWL	7" Awl	5

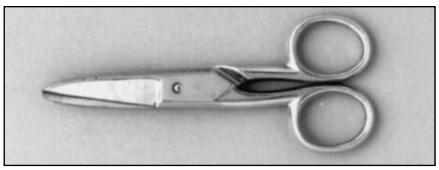
- Comfortable cushion grip handle that is small enough for working in obstructed areas.
- Constructed of hardened and tempered steel for strength and durability.
- Convenient precision ground tip can be resharpened.



Aviation Snips

Cat. No.	Description	Std. Ctn.
18-AVS	Aviation Snips	10

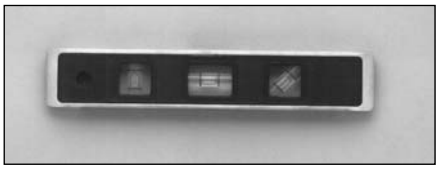
- Cutting edges constructed of heat treated steel offer extra durability.
- Blades are serrated to better grip metal.
- Powerful enough to cut 18 gauge cold-rolled steel.



Scissors

Cat. No.	Description	Std. Ctn.
18-EES	Scissors	6

- Constructed of top-grade steel.
- Contain nickel plated, ground hardened power lock screws to assure reliable performance.



Level

Cat. No.	Description	Std. Ctn.
18-TL1	Level	10
18-TL2	Torpedo Level With Conduit Marker	12

- Convenient one piece aluminum construction.
- Three highly visible permanently lined vials: level, 45 degree and plumb.
- Magnetic base bonds level to iron and steel surfaces.

Utility Knife

Cat. No.	Description	Std. Ctn.
18-UTK	Utility Knife	10
18-UTB	Replacement Blade	10

- Designed with industrial grade housing .
- Three reversible blades make the tool handy for multiple jobs.
- Positive locking system insures safety.
- Made in the U.S.A.

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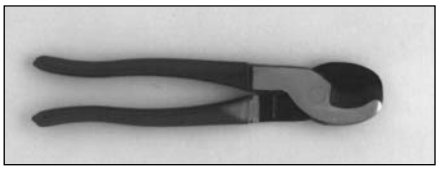
Electricians' Hand Tools - Miscellaneous - (Continued)

- *Lined with solid brass so they won't rust.*
- *Designed with heavy duty cutlery blades and a screwdriver blade that locks open.*

Electrician's Knives

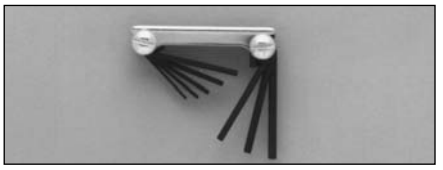
Cat. No.	Description	Std. Ctn.
18-247	With Spear Blade	6
18-248	With Hood Blade	6



- *Designed to cut 4/0 Aluminum and up to 2/0 soft copper.*
- *Manufactured to meet or exceed U.S. Government specifications.*

Cable Cutter

Cat. No.	Description	Std. Ctn.
18-CC9	Cable Cutter	5



- *Three sets cover .050 through ⅜" hex size range.*
- *Constructed of hardened or tempered chromium nickel alloy steel.*

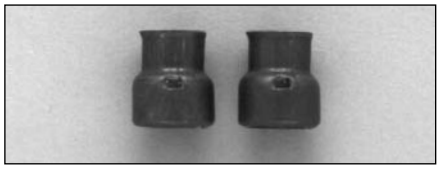
Hex Key Sets

Cat. No.	Description	Std. Ctn.
18-275	.05 to 5/32, 8 Key Sizes	6
18-276	5/64 to 1/4, 9 Key Sizes	6
18-277	3/16 to 3/8, 5 Key Sizes	6

- *Rugged fiber construction promises long lasting reliability.*
- *Special plier design for easier usability.*
- *Developed to help prevent bending of fuse clips.*

Fuse Pullers

Cat. No.	Description	Std. Ctn.
19-164	Pocket Size 0-200 Amps 250 & 1-100 Amps 600V	6
19-165	Midget Size For Small Fuses 3/16" to 1/2" Dia.	6
19-166	Large Size 100-600 Amps 250V & 60-400 Amps; 600V	6



- *For dead front panel boards 60 to 30 amperes-250 volts.*

Fuse Reducer

Cat. No.	Description	Std. Ctn.
19-230	60-30 Amps-250V	124

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Electrician's Hand Tools – Nut Drivers

High quality steel construction and plated shafts offer reliable durability. Shafts have integral wings for a positive high torque anchor. All shafts meet or exceed ANSI specifications for fit, hardness and torque. Nut drivers are equipped with large, cushion gripped handles designed to provide a better ergonomic fit. Handles are oil, gas and water resistant.

Nut Driver

Cat. No.	Description	Std. Ctn.
18-ND 3/16	Nut Driver 3⁄16"	5
18-ND 1/4	Nut Driver 1⁄4"	5
18-ND 5/16	Nut Driver 5⁄16"	5
18-ND 11/32	Nut Driver 11⁄32"	5
18-ND 3/8	Nut Driver 3⁄8"	5
18-ND 7/16	Nut Driver 7⁄16"	5
18-ND 1/2	Nut Driver 3⁄16"	5
18-NDP-7	7-Piece Nut Driver	5

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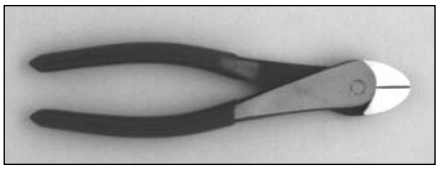
Electrician's Hand Tools – Pliers & Wrenches

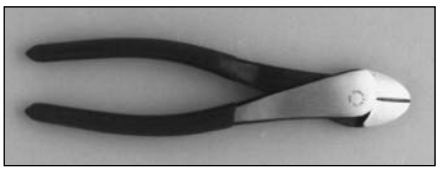
T&B pliers have a full polish finish and are drop forged from high quality American made 1055 steel. Manufactured to meet or exceed U.S. Government specifications, most have induction hardened or hand honed cutting edges. They are designed to work easier in confined areas, and all are constructed to prevent slipping when pulling, gripping and twisting.

Quality forged alloy steel gives wrenches maximum strength and durability. Steel jaws allow for accuracy and metallic plating resists corrosion. Designed with thumb reliefs and tension springs to allow easier adjustment and improved control. Equipped with textured grips, contoured for comfort and control.



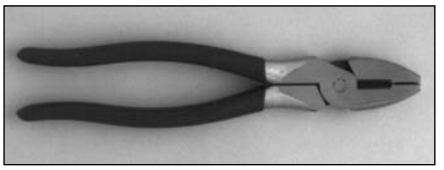
8" Diagonal

Cat. No.	Description	Std. Ctn.
18-DP8	8" Diagonal	5



8" Angled

Cat. No.	Description	Std. Ctn.
18-AP8	8" Angled	5



9" New England Style Lineman

Cat. No.	Description	Std. Ctn.
18-LP9	9" Lineman	5
18-LPT9	9" Lineman with Fishtape Puller	5
18-LP9CR	9" Lineman with Crimping Die	5

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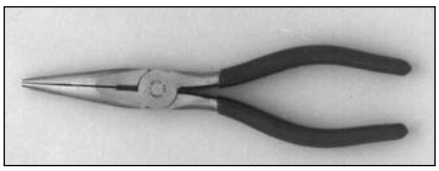
Electrician's Hand Tools – Pliers & Wrenches – Continued

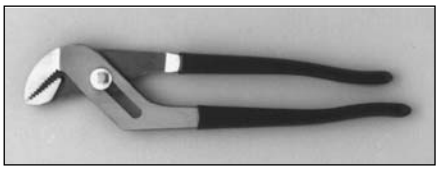


Long Nose

Cat. No.	Description	Std. Ctn.
18-LN6	6" Long Nose with Cutter	5
18-LN7	7" Long Nose with Cutter	5
18-LN8	8" Long Nose with Cutter	5
18-LNS8	8" Long Nose with Skinner Hole and Cutter	5

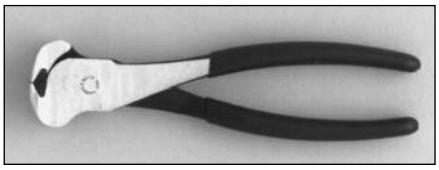
Adjustable

Cat. No.	Description	Std. Ctn.
18-AW6D	6" Adjustable Cushion Grip	5
18-AW8D	8" Adjustable Cushion Grip	5
18-AW10D	10" Adjustable Cushion Grip	5
18-AW12D	12" Adjustable Cushion Grip	5



Tongue & Groove

Cat. No.	Description	Std. Ctn.
18-TG5	5" Tongue & Groove	5
18-TG10	10" Tongue & Groove	5



End Nipper

Cat. No.	Description	Std. Ctn.
18-EN7	7" End Nipper	5

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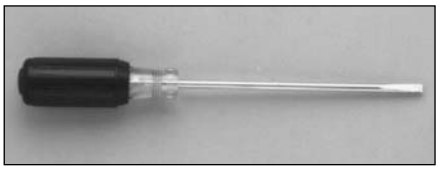
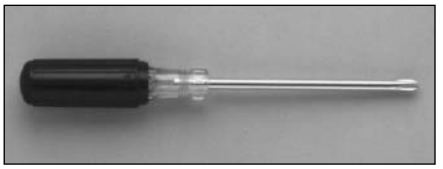
Electrician's Hand Tools – Screwdrivers

High quality steel construction and plated shafts offer reliable durability. Shafts have integral wings for a positive high torque anchor. All shafts meet or exceed ANSI specifications for fit, hardness and torque. Screwdrivers are equipped with large, cushion gripped handles designed to provide a better ergonomic fit. Handles are oil, gas and water resistant. Vapor blasted tips give increased strength and durability.



Cabinet Tip

Cat. No.	Description	Std. Ctn.
18-CT33	3/16 Tip Width, Cabinet 3" Shank	5
18-CT43	3/16 Tip Width, Cabinet 4" Shank	5
18-CT63	3/16 Tip Width, Cabinet 6" Shank	5
18-CT83	3/16 Tip Width, Cabinet 8" Shank	5
18-CT44	1/4 Tip Width, Cabinet 4" Shank	5
18-CT64	1/4 Tip Width, Cabinet 6" Shank	5
18-CT84	1/4 Tip Width, Cabinet 8" Shank	5



Phillips

Cat. No.	Description	Std. Ctn.
18-P13	1 Pt. Phillips 3" Shank	5
18-P24	2 Pt. Phillips 4" Shank	5
18-P26	2 Pt. Phillips 6" Shank	5
18-P36	3 Pt. Phillips 6" Shank	5
18-PS2	2 Pt. Phillips Stubby	5

Square Shank

Cat. No.	Description	Std. Ctn.
18-SQ4	Sq. 4" Shank	5
18-SQ6	Sq. 6" Shank	5
18-SQ8	Sq. 8" Shank	5

Round Shank

Cat. No.	Description	Std. Ctn.
18-S	Round Shank Stubby	5
18-RS4	Round 4" Shank	5
18-RS6	Round 6" Shank	5
18-RS8	Round 8 Shank	5

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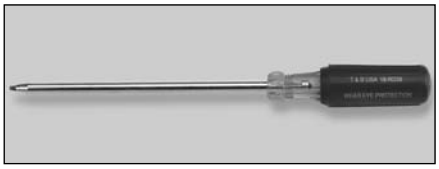
Electrician's Hand Tools – Screwdrivers – Continued

4"-Bit Screwdriver

Cat. No.	Description	Std. Ctn.
18-260	4"-Bit Screwdriver Complete	6
18-261	Phillips Number 1 & 2 Bit Only	1
18-262	Straight Bit Only	1



Robertson (square head)

Cat. No.	Description	Color	Std. Ctn.
18-GR11	No. 1 Square Head, 1 in. Shank	Green	5
18-GR14	No. 1 Square Head, 4 in. Shank	Green	5
18-GR18	No. 1 Square Head, 8 in. Shank	Green	5
18-RD21	No. 2 Square Head, 1 in. Shank	Red	5
18-RD24	No. 2 Square Head, 4 in. Shank	Red	5
18-RD28	No. 2 Square Head, 8 in. Shank	Red	5
18-BK31	No. 3 Square Head, 1 in. Shank	Black	5
18-BK34	No. 3 Square Head, 4 in. Shank	Black	5
18-BK38	No. 3 Square Head, 8 in. Shank	Black	5
18-YW04	No. 0 Square Head, 4 in. Shank	Yellow	5
18-OR004	No. 00 Square Head, 4 in. Shank	Orange	5

Screw Starters

Cat. No.	Description	Std. Ctn.
18-265	Screw Starter 6" (Card Display)	10
18-266	Screw Starter 9" (Card Display)	10

Screwdriver 6-pack

Cat. No.	Description	Std. Ctn.
18-SCP6		6

This set features six of our most popular screwdrivers. Makes a great starter or utility kit.
The 6-pack consists of:

- **18-P13** 1 pt x 3" Phillips
- **18-P24** 2 pt x 4" Phillips
- **18-CT63** 3⁄16" x 6" Cabinet Tip
- **18-CT64** 1⁄4" x 6" Cabinet Tip
- **18-RS4** 4" Round Shank
- **18-SQ4** 4" Square Shank

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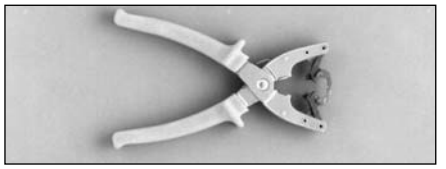
Electrician's Hand Tools – Crimpers & Rippers

T&B offers a wide variety of specialty tools used most commonly by electricians. Whether the job is new construction or circuit maintenance, T&B Wire Strippers, Cable Rippers, Conduit Benders, and other special purpose tools are convenient and easy to use.

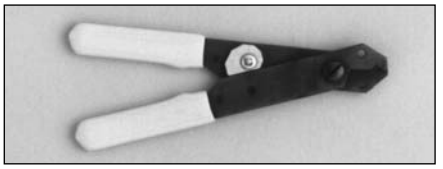
All T&B tools are designed for the professional. Single purpose and combination function designs are included. All products are manufactured from top quality materials to assure durability and a long useable life.



- *No need to determine wire size, stripper adjusts automatically.*
- *Grips wire and strips with one squeeze of the handles.*
- *Strips and cuts #18-10 solid or stranded.*
- *Wire is never nicked or cut because blade never touches it.*
- *For production stripping applications.*
- *Adjustable strip length gauge included.*

Wiring Strippers

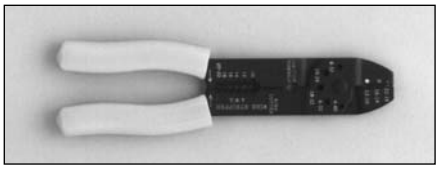
Cat. No.	Description	Wire Range	Std. Ctn.
18-300	Wire Stripper	#18-10 solid or stranded	5
18-340	Wire Stripper	#22-8	1
18-342	Wire Stripper	#18-10	1



- *Small, convenient size.*
- *Adjustable strip gauge can be preset for repetitive stripping on same wire size.*
- *Strips wire sizes # 18-10 AWG.*
- *Available with or without handle spring.*

Economy Strippers

Cat. No.	Description	Wire Range	Std. Ctn.
18-310	Economy Stripper	#18-10	6
18-311	Economy Stripper With Spring	#18-10	6



- *Crimps bare and insulated terminals #22-10 AWG.*
- *Sizes threads and cuts bolts 4-40, 6-32, 8-32, 10-32, 10-24.*
- *Cuts and strips wire #10-22 AWG.*

Crimping & Wiring Tool

Cat. No.	Description	Wire Range	Std. Ctn.
18-825	Crimping & Wiring Tool*	From #22-10	6

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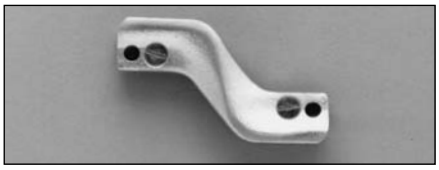
Electrician's Hand Tools – Crimpers & Rippers – Continued



- *Slits outer jacket from Romex and other non-metallic (NM) sheathed cable.*

Model 18-223

- *Made from cast aluminum; has replaceable blades.*
- *For 2 or 3 wire #14, 12, 10 with or without ground.*

Model 18-225

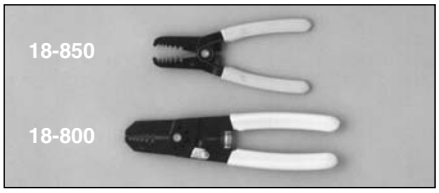
- *Cable is laid in from side; no threading through end.*
- *Also sizes and strips wire #16-8 AWG.*

Cable Rippers

Cat. No.	Description	Wire Range	Std. Ctn.
18-223	Cable Ripper for 2 or 3 wires	#14, #12 or #10	12
18-201	Replacement Blade for 18-223		1
18-225	Cable Ripper	#16-8	6

Wiring Tools & Strippers

T&B strippers and wiring tools are created for the professional. Single purpose and combination function designs are included. All products are manufactured from top quality materials to assure durability and a long usable life.



Wiring Tool

Cat. No.	Description	Wire Range	Std. Ctn.
18-800	Big 7 Wiring Tool**	#16-6 solid, #18-8 stranded	6
18-850	Little 7 Wiring Tool*	#16-6 solid, #18-8 stranded	6
18-850S	Little 7 Wiring Tool**	#16-6 solid, #18-8 stranded	6

*Without Spring
** With Spring

- *Sizes, strips, and cuts wire #16-6 solid, #18-8 stranded.*
- *Sizes threads and cuts bolts, 4-40, 6-32, 8-32, 10-32, 10-24.*
- *Crimps bare and insulated terminals #22-10 AWG.*
- *Conduit reaming nose, wire looping holes.*
- *Adjustable hinge bolt assures stripping blade alignment.*
- *½" cutting blade is hardened to hold the edge.*
- *Made of premium tool steel.*
- *Sizes, strips, and cuts wire #16-6 solid, #18-8 stranded.*
- *Model 18-850S has anchored handle spring for easy handle operation; spring stays put.*
- *Model 18-850, without spring, stays closed in pouch; curved, cushioned handles allow easy comfortable operation.*
- *Conduit reaming nose, wire looping holes.*
- *Adjustable hinge bolt assures stripping blade alignment.*
- *1/2" cutting blade is hardened to hold the edge.*
- *Made of premium tool steel.*

Wire and Cable, Cutting & Stripping Tool

Cat. No.	Description	Std. Ctn.
ERG1-WS	Self-adjusting, cutting and stripping tool	1

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Electrician's Hand Tools – Tape Measures

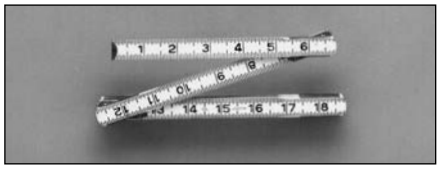
Heat treated blades allow a maximum standout of over 7 feet. Larger numbers provide the easiest reading blade in the industry. Constructed with important extras such as three rivet steel reinforced end hooks and 16" and 17.2" stud marks. Features such as baked on epoxy, chrome-plated ABS case, and heavy duty spring and blade system insure long life.

Tape Measures

Cat. No.	Description	Std. Ctn.
18-125TB	1" x 25'	6
18-416	3/4" x 16'	6
18-412	3/4" x 12'	6
18-210	1/2" x 10'	6

Metric Tapes

Cat. No.	Description	Std. Ctn.
18-3M	3/4" in. X 3 m. (12 ft.)	6
18-5M	3/4" in. X 5 m. (16 ft.)	6
18-8M	3/4" in. X 8 m. (26 ft.)	6



6' Wood Extension Rule

Cat. No.	Description	Std. Ctn.
18-WR6	6' Wood	6

Electrician's Hand Tools – Tapping Tools

T&B's accurate tapping tools quickly form new threads and reform stripped threads. All taps are replaceable for your convenience.

Tapping Tools

Cat. No.	Description	Thread Sizes	Std. Ctn.
18-205	Tapping Tool	#10-24, #8-32, #6-32	6
18-206	Tapping Tool	#10-32, #8-32, #6-32	6
18-207	Tapping Tool	#10-32, #8-32, #6-32, #14-20-, #12-24, #10-24	6
18-215	Replacement Taps	#10-24, #8-32, #6-32	1
18-216	Replacement Taps	#10-32, #8-32, #6-32	1
18-217	Replacement Taps	#1/4-20, #12-24, $10-24	1

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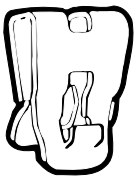
Grounding Accessories for Metal Boxes



- *Tapered nose fits between knockouts.*
- *Screwdriver notch simplifies installation.*
- *U.L. Listed for #14-10 AWG copper only.*
- *Zinc plated; spring steel.*

Grounding Clip

Cat. No.	Description	Std. Ctn.
11-002	G-2; accommodates #12 and #14 copper and #12 aluminum in non-metallic sheathed cable;	500
11-022	also used for connecting bonding jumper from receptacle to metal device box	5000

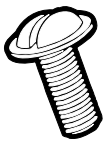
U.L. File E-19851

- *For grounding receptacles or steel boxes.*

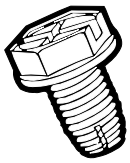
Grounding Pigtails

Cat. No.	Description	Std. Ctn.
11-300	14 AWG Solid, 6½" long with one end stripped, other end captive screw; green insulation—(bags)	250
11-301	12 AWG Solid, 6½" long with one end stripped, other end captive screw; green insulation—(bags)	250
11-311	14 AWG Stranded, 7" long with bare fork terminal—(bags)	250
11-321	14 AWG Stranded, 8" long with captured screw and bare fork terminal—(bags)	250
11-341	12 AWG Stranded, 7" long with bare fork terminal—(bags)	250
11-351	12 AWG Stranded, 8" long with captured screw and bare fork terminal—(bags)	250

Standard carton: 25



11-101



11-104

- *Color-coded green.*
- *Size 10-32 x ¾, fits tapped screw hole in most boxes.*
- *Cat. No. 11-104 taps its own threads.*

Grounding Screws

Cat. No.	Description	Std. Ctn.
11-101	Washer Head Screws	1000
11-104	Hex/Phillips/Slotted Head Self-Tapping	1000

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Anchors – Metallic

- *For "heavy-duty" anchoring in solid masonry.*
- *One setting tool supplied in each standard carton; no screws supplied.*

Lead Expansion Anchors

Cat. No.	Screw Size	Hole Depth	Drill Size	Std. Ctn.
53-308	¼-20	⅞	½	500
53-312	⅜-16	1¼	¾	250
53-314	½-13	1½	⅞	250

- *Lead expansion anchors and setting tool in reusable plastic box.*

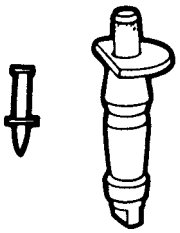
Lead Anchor Kits

Cat. No.	Description	Std. Ctn.
53-380	50 No. ¼-20 Anchors	12
53-384	100 No. 10-24 Anchors	12

- *Permanent anchor for fastening to plaster, plywood, wallboard, glass, metal or marble.*

Hollow Wall Anchor

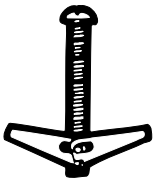
Cat. No.	Size	Length	For Wall Thickness	Drill Size	Std. Ctn.
53-841	⅛-S	1½	⅛" to ⅝"	¼	1000
53-842	⅛-L	1 15/16	⅝" to 1¼"	¼	1000
53-861	3/16-S	2 1/16	⅛" to ⅝"	⅜	500
53-862	3/16-L	2¾	⅝" to 1¼"	⅜	500
53-881	¼-S	2¼	⅛" to ⅝"	15/32	500
53-882	¼-L	2¾	⅝" to 1¼"	15/32	500



- *For fast fastening to metal, concrete, and cinder blocks without drilling.*
- *Pins are hardened to penetrate, yet tough and ductile to hold without breaking.*
- *Compact driving tool sets pins perfectly.*

Hammer Drive Pins

Cat. No.	Head Dia.	Shank Diameter	Overall Length	Std. Ctn.
53-551	¼"	9/64"	½"	1000
53-552	¼"	9/64"	¾"	1000
53-553	¼"	9/64"	1"	1000
53-554	¼"	9/64"	1¼"	1000
53-555	¼"	9/64"	1½"	1000
53-556	¼"	9/64"	2"	1000
53-557	¼"	5/32"	2½"	500
53-533	¼"	Compact Tool	–	6



- *"Spring-Wing" type, zinc plated.*
- *Bolts are threaded full length.*
- *Available with mushroom head on seven most popular sizes.*

Toggle Bolts

Cat. No.	Mushroom Head	Size	Drill Hole	Std. Ctn.
52-500	**52-600**	⅛ (6-32) x 2	⅜	250
52-502	**52-602**	⅛ (6-32) x 3	⅜	250
52-504	**52-604**	⅛ (6-32) x 4	⅜	250
52-520		3/16 (10-24) x 2	9/16	250
52-522	**52-622**	3/16 (10-24) x 3	9/16	250
52-524	**52-624**	3/16 (10-24) x 4	9/16	250
52-530		¼-20 x 2	¾	250
52-532	**52-632**	¼-20 x 3	¾	250
52-534	**52-634**	¼-20 x 4	¾	250
52-536		¼-20 x 5	¾	250
52-538		¼-20 x 6	¾	250
52-548		⅜-16 x 3	1	250
52-550		⅜-16 x 4	1	250
52-552		⅜-16 x 5	1	250
52-554		⅜-16 x 6	1	250

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Anchors – Nonmetallic

- *Superior holding power in solid masonry or concrete block.*

Red-Cap® Screw Anchors

Cat. No.	Size	For Tapping Screws Size	For Tapping Screws Length	Drill* Hole	Std. Ctn.
50-210	#8 x ⅞"	6, 7 or 8	1" to 1¼"	3⁄16"	1000
50-230	#12 x 1"	9, 10 or 12	1" to 1¼"	¼"	1000
50-250	#16 x 1⅜"	14 or 16, ¼" Lag Screw	1¼" to 1½"	5⁄16"	500
Bulk					
50-219	#8 x ⅞"	6, 7 or 8	1" to 1¼"	3⁄16"	10000
50-239	#12 x 1"	9, 10 or 12	1" to 1¼"	¼"	10000
50-259	#16 x 1⅜"	14 or 16, ¼" Lag Screw	1¼" to 1½"	5⁄16"	10000

* When impact hammer drill is used, downsize drill hole 1⁄32".
Note: For maximum holding power, select screw length ¼" longer than anchor.

- *Red Cap Anchors, screws, and drill bit in reusable plastic kit box.*

Red-Cap® Anchor Kits

Cat. No.	Description	Std. Ctn.
51-208	(100) #8 Anchors (100) 6 x 1" Panhead Screws (1) 3⁄16" Carbide Tip Drill Bit	12
51-212	(100) #12 Anchors (100) 10 x 1" Combination Slot/Phillips Head Screws (1) ¼" Carbide Tip Drill Bit	12
51-212HX	(100) #12 Anchors (100) 10 x 1" Hex-Slotted Screws (10) ¼" Carbide Tip Drill Bit	12
51-216	(50) #16 Anchors (50) 14 x 1 1⁄64" Panhead Screws (1) 5⁄16" Carbide Tip Drill Bit	12

* Now with combination Slot/Phillips screws.

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Anchors – Nonmetallic – (Continued)

"Economy" Plastic Screw Anchor

Cat. No.	Size	For Tapping Screws Size	For Tapping Screws Length	Drill* Hole	Std. Ctn.
50-404	#12 x 1"	10 to 12	1"	¼"	1000

* When impact hammer drill is used, downsize drill hole 13/32".

"Economy" Screw Anchor Kits

Cat. No.	Description	Std. Ctn.
51-404*	(100) #12 x 1" Screw Anchor (100) 10 x 1" Slot/Phillips Head Screws (1) ¼" Carbide Tip Drill Bit	12
51-404HX	(100) #12 x 1" Screw Anchor (100) 10 x 1" Hex-Slotted Screws (1) ¼" Carbide Tip Drill Bit	12

* Now with Slot/Phillips screws.

- ***For use in concrete, masonry, blocks, stone, plaster.***
- ***Dependable, low cost, lightweight anchoring.***

Hi-Drive™ Nail Anchors

Cat. No.	Size	Drill* Hole	Std. Ctn.
50-811	3/16" x 1"	3/16"	1000
50-831	¼" x 1"	¼"	1000

* When impact hammer drill is used, downsize drill hole 13/32".

Hi-Drive™ Nail Anchor Kit

Cat. No.	Description	Std. Ctn.
51-850	(100) 3/16" x 1" Anchors w/nails (1) 3/16" Carbide Tip Drill Bit	12
51-852	(100) ¼" x 1" Anchors w/nails (1) ¼" Carbide Tip Drill Bit	12

Anchors, nails and drill bit in reusable plastic kit box.

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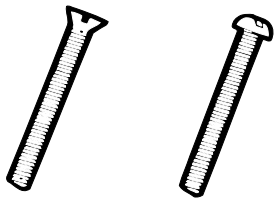

- *Steel, zinc plated.*
- *Accurate, uniform threads.*
- *Round heads standard; flat heads available in some sizes.*

Machine Bolts

Cat. No. Round Head	Flat Head	Size	Std. Ctn.
54-521	**54-621**	6-32 x ½"	1000
54-522	**54-622**	6-32 x ¾"	1000
54-523	**54-623**	6-32 x 1"	1000
54-524	**54-624**	6-32 x 1¼"	1000
54-525	**54-625H**	6-32 x 1½"	1000
54-526	**54-626**	6-32 x 2"	1000
54-527	**54-627**	6-32 x 2½"	1000
54-541P		8-32 x ½"	1000
54-542P	**54-642**	8-32 x ¾"	1000
54-543P	**54-643**	8-32 x 1"	1000
54-544		8-32 x 1¼"	1000
54-545P	**54-645H**	8-32 x 1½"	1000
54-546P	**54-646**	8-32 x 2"	1000
54-547		8-32 x 2½"	500
54-548		8-32 x 3"	500
54-551		10-24 x ½"	1000
54-552		10-24 x ¾"	1000
54-553		10-24 x 1"	1000
54-554		10-24 x 1¼"	1000
54-555		10-24 x 1½"	1000
54-556		10-24 x 2"	500
54-561		10-32 x ½"	1000
54-562		10-32 x ¾"	1000
54-563P		10-32 x 1"	1000
54-564		10-32 x 1¼"	1000
54-565		10-32 x 1½"	1000
54-566		10-32 x 2"	500
54-570P		1/4-20 x ⅜"	1000
54-571P		1/4-20 x ½"	1000
54-572P		1/4-20 x ¾"	500
54-573P		1/4-20 x 1"	500
54-574		1/4-20 x 1¼"	500
54-575		1/4-20 x 1½"	1000
54-576		1/4-20 x 2"	500
54-577		1/4-20 x 2½"	250
54-578		1/4-20 x 3"	250

- *For use with machine bolts.*
- *Finest quality steel, zinc plated.*

Hexagon Nuts

Cat. No.	Size	Std. Ctn.
55-004P	6-32	1000
55-005P	8-32	1000
55-006P	10-24	1000
55-007P	10-32	1000
55-008P	¼-20	1000
55-010	5/16-18	1000
55-012	⅜-16	1000

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- *For fastening to sheet metal up to .040* (25 gauge).*
- *Eliminates pre-drilled holes.*
- *¼" Hex Washer head, slotted; fits 54-090 Magnetic Driver.*

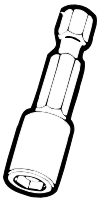
Self-Piercing Screws

Cat. No.	Size	Std. Ctn.
54-001	7 x ½"	1000
54-002	8 x ½"	1000
54-003	8 x ¾"	1000
54-004P	10 x ½"	1000
54-005P	10 x ¾"	1000
54-006P	10 x 1"	1000
54-007P	10 x 1¼"	1000
54-008P	10 x 1½"	1000
54-009P	10 x 2"	1000

- *Drill their own hole and form mating threads.*
- *#8 screws fasten combined material thickness up to ⅜".*
- *#10 screws fasten combined material thickness up to ¼".*
- *Hex Washer Head (no slot).*
- *¼" hex head fits 54-090 Magnetic Driver.*
- *5⁄16" hex head fits 54-091 Magnetic Driver.*

Self-Drilling Screws

Cat. No.	Size	Head Size	Point No.	Std. Ctn.
54-300P	8 x ½"	¼"	2	1000
54-301	8 x ¾"	¼"	2	1000
54-302P	10 x ⅝"	5⁄16"	3	1000
54-303P	10 x 1"	5⁄16"	3	1000
54-304	12-14 x ¾"	5⁄16"	3	1000



- *For driving self-piercing and self-drilling hex head screws.*
- *Fits power screwdriver and electric drill chucks.*
- *Strong permanent magnet holds screw in position.*

Magnetic Drivers

Cat. No.	Size	Std. Ctn.
54-091	5⁄16" x 1⅝" Hex-head Magnetic Driver	12
54-090	¼" x 1⅝" Hex-head Magnetic Driver	12

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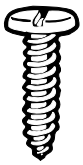
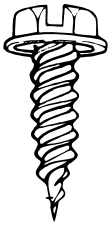


- *For fastening to wood or sheet metal.*
- *Best screw for use with plastic screw anchors.*
- *Large "Pan-Head" eliminates need for a washer in many applications.*
- *Zinc plated steel.*

Slotted Tapping Screws

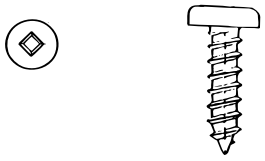
Cat. No.	Size	Std. Ctn.
54-121	6 x ½"	1000
54-122P	6 x ¾"	1000
54-123P	6 x 1"	1000
54-124P	6 x 1¼"	1000
54-141	8 x ½"	1000
54-142P	8 x ¾"	1000
54-143P	8 x 1"	1000
54-144	8 x 1¼"	1000
54-145P	8 x 1½"	1000
54-151	10 x ½"	1000
54-152P	10 x ¾"	1000
54-153P	10 x 1"	1000
54-154	10 x 1¼"	1000
54-155P	10 x 1½"	1000
54-156	10 x 2"	1000
54-161	12 x ½"	1000
54-162P	12 x ¾"	1000
54-163P	12 x 1"	500
54-164	12 x 1¼"	500
54-165P	12 x 1½"	500
54-166	12 x 2"	500



- *Indented hex washer slotted type head.*
- *One ¼" hex driver accommodates all sizes.*
- *Sharp tapered point.*

Slotted Tapping Screws

Cat. No.	Size	Std. Ctn.
54-100Z	7 x ½"	500
54-141ZP	8 x ½"	500
54-142ZP	8 x ¾"	500
54-143Z	8 x 1"	–
54-151ZP	10 x ½"	500
54-152ZP	10 x ¾"	500
54-153Z	10 x 1"	500



- *Drive fastener locks onto the square drive bit.*
- *Used in difficult to apply locations.*
- *Used in mobile home and aluminum building products.*

Tapping Screws–Pan Head Square Drive

Cat. No.	Description (Diameter, Length)	Std. Ctn.
54-841	8 x ½"	500
54-842	8 x ¾"	100
54-843P	8 x 1"	500
54-844	8 x 1¼"	500
54-845	8 x 1½"	
54-851P	10 x ½"	500
54-852P	10 x ¾"	500
54-853P	10 x 1"	500
54-854P	10 x 1¼"	
54-855P	10 x 1½"	500
54-856	10 x 2"	500
54-861	12 x ½"	500
54-862P	12 x ¾"	500
54-863	12 x 1"	500
54-864	12 x 1¼"	500
54-866	10 x 2"	

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- *For use in up to "12 Gauge" steel.*
- *Phillips bugle head steel black coated designed to penetrate drywall and drilling hole in metal studs up to 12 gauge thick.*

Drywall Screws–100 Pack–Framing Style

Cat. No.	Diameter Thread	Length	Std. Ctn.
54-00SD	6	1	100
54-01SD	6	1¼	100
54-02SD	6	1⅝	100
54-03SD	6	1⅞	100
54-04SD	8	2⅝	100
54-05SD	8	3	100

Drywall Screws–1000 Pack–Framing Style

Cat. No.	Diameter Thread	Length	Std. Ctn.
54-10SD	6	1	1000
54-11SD	6	1¼	1000
54-12SD	6	1⅝	1000
54-13SD	6	1⅞	1000
54-14SD	8	2⅝	1000
54-15SD	8	3	1000

Drywall Screws–100 Pack–Self Drilling & Piercing

Cat. No.	Diameter Thread	Length	Std. Ctn.
54-00DW	6	1	100
54-01DW	6	1¼	100
54-02DW	6	1⅝	100
54-03DW	6	2	100
54-04DW	6	2¼	100
54-05DW	8	2½	100
54-06DW	8	3	100

Drywall Screws–1000 Pack–Self Drilling & Piercing

Cat. No.	Diameter Thread	Length	Std. Ctn.
54-10DW	6	1	1000
54-11DW	6	1¼	1000
54-12DW	6	1⅝	1000
54-13DW	6	2	1000
54-14DW	6	2¼	1000
54-15DW	8	2½	1000
54-16DW	8	3	1000

- *Oval head screws ⅜" long; 6-32 thread.*
- *Brown and ivory colored nylon screws eliminates static shocks.*
- *Steel screws have variety of head finishes to match specified decor.*
- *Screws are packaged in clear, reclosable plastic tube.*
- *55-660 kit contains one tube of each screw in a reusable plastic kit box.*

Wall Plate Screws

Cat. No.	Size	Std. Ctn.	Std. Pkg.
55-660	K-60 Kit (600 Screws)		
Individual Tubes			
55-611	Ivory Nylon Screws	–	100
55-612	Ivory (Painted) Screws		
55-613	Bright Nickel Screws	–	100
55-614	Brass Plated Screws	–	100
55-615	Brown Nylon Screws	100	100
55-616	Bronze Plated Screws	–	100

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- *Steel, zinc plated.*
- *Round, perfectly centered holes, uniform thickness.*
- *Smooth rounded edges are kind to fingers.*

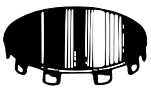
Fender Washers

Cat. No.	Bolt Size	I.D.	O.D.	Thick	Std. Ctn.
55-201	1/8"	3/16"	5/8"	.062"	1000
55-202	1/8"	5/32"	9/16"	.047"	1000
55-203	3/16"	13/64"	15/32"	.047"	1000
55-204	3/16"	7/32"	1"	.062"	1000
55-206	1/4"	9/32"	5/8"	.047"	1000
55-207	1/4"	5/16"	7/8"	.047"	1000
55-208P	1/4"	9/32"	1"	.047"	1000
55-210P	5/16"	11/32"	1 1/4"	.062"	500
55-211P	3/8"	13/32"	1 1/4"	.074"	500
55-212P	1/4"	9/32"	1 1/2"	.062"	500
55-213	1/2"	17/32"	2"	.062"	500
55-214	3/8"	13/32"	1 1/2"	.062"	500
55-218P	1/4"	9/32"	1 1/4"	.062"	500

- *Split, spring type with high resiliency.*
- *Steel, zinc plated.*

Lock Washers

Cat. No.	Size	Std. Ctn
55-230P	10 (3/16")	1000
55-234P	1/4"	1000
55-235P	5/16"	1000
55-236P	3/8"	1000
55-238	1/2"	1000



- *Steel.*
- *Zinc Plated.*
- *Used for replacing knock-outs in outlet boxes.*

Snap In Blanks

Cat. No.	Size	Diameter	Std. Ctn.
BL-111	1/2"	1 5/64"	1000
BL-112	3/4"	1 1/4"	1000
BL-113	1"	1 1/2"	1000
BL-114	1 1/4"	1 13/16"	500
BL-115	1 1/2"	2 7/32"	500
BL-116	2"	2 11/16"	250

- *Steel.*
- *Used to keep plaster out of conduit during construction.*

Conduit Seals (Pennies)

Cat. No.	Size	Std. Ctn.
815	1/2"	1000
816	3/4"	500
817	1"	250
818	1 1/4"	250
819	1 1/2"	100
820	2"	100
821	2 1/2"	100
822	3"	50
824-TB	4"	100
823	3 1/2"	25

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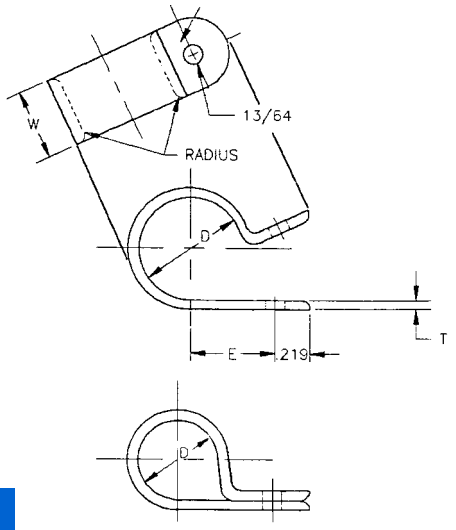
- *Nylon.*
- *Screw hole size .203 for #10 screw.*
- *Temperature range -40°F to 176°F.*



- *Polypropylene.*
- *Cost effective.*
- *Hole size .203 for #10 screw.*
- *Temperature range -40°F to 221°F.*

Plastic Clamps—Nylon

Cat. No.	Description	D	W	T	E	Std. Ctn.
12-102	(NPC-2)	1/8"	3/8"	3/64"	21/64"	1000
12-103	(NPC-3)	3/16"	3/8"	3/64"	3/8"	1000
12-104	(NPC-4)	1/4"	3/8"	3/64"	13/32"	1000
12-105	(NPC-5)	5/16"	3/8"	3/64"	29/64"	1000
12-106	(NPC-6)	3/8"	3/8"	3/64"	15/32"	1000
12-107	(NPC-7)	7/16"	3/8"	3/64"	33/64"	1000
12-108	(NPC-8)	1/2"	3/8"	3/64"	35/64"	1000
12-109	(NPC-9)	9/16"	1/2"	1/16"	5/8"	1000
12-110	(NPC-10)	5/8"	1/2"	1/16"	21/32"	1000
12-111	(NPC-11)	11/16"	1/2"	1/16"	47/64"	1000
12-112	(NPC-12)	3/4"	1/2"	1/16"	25/32"	500
12-114	(NPC-14)	7/8"	1/2"	1/16"	27/32"	–
12-116	(NPC-16)	1"	1/2"	1/16"	29/32"	–
12-118	(NPC-18)	1 1/8"	1/2"	1/16"	31/32"	50
Bulk Cartons						
12-202	(NPC-2)	1/8"	3/8"	3/64"	21/64"	1000
12-203	(NPC-3)	3/16"	3/8"	3/64"	3/8"	1000
12-204	(NPC-4)	1/4"	3/8"	3/64"	13/32"	1000
12-205	(NPC-5)	5/16"	3/8"	3/64"	29/64"	1000
12-206	(NPC-6)	3/8"	3/8"	3/64"	15/32"	1000
12-207	(NPC-7)	7/16"	3/8"	3/64"	33/64"	1000
12-208	(NPC-8)	1/2"	3/8"	3/64"	35/64"	1000
12-209	(NPC-9)	9/16"	1/2"	1/16"	3/8"	1000
12-210	(NPC-10)	5/8"	1/2"	1/16"	21/32"	1000
12-211	(NPC-11)	11/16"	1/2"	1/16"	47/64"	–
12-212	(NPC-12)	3/4"	1/2"	1/16"	25/32"	1000
12-214	(NPC-14)	7/8"	1/2"	1/16"	27/32"	500
12-216	(NPC-16)	1"	1/2"	1/16"	29/32"	500
12-218	(NPC-18)	1 1/8"	1/2"	1/16"	31/32"	–

Plastic Clamps—Polypropylene

Cat. No.	Description	D	W	T	E	Std. Ctn.
12-502	(PPC-2)	1/8"	1/2"	1/16"	23/64"	1000
12-503	(PPC-3)	3/16"	1/2"	1/16"	27/64"	1000
12-504	(PPC-4)	1/4"	1/2"	1/16"	29/64"	1000
12-505	(PPC-5)	5/16"	1/2"	1/16"	1/2"	1000
12-506	(PPC-6)	3/8"	1/2"	1/16"	17/32"	1000
12-507	(PPC-7)	7/16"	1/2"	1/16"	9/16"	1000
12-508	(PPC-8)	1/2"	1/2"	1/16"	19/32"	1000
12-509	(PPC-9)	9/16"	1/2"	1/16"	5/8"	1000
12-510	(PPC-10)	5/8"	1/2"	1/16"	21/32"	1000
12-511	(PPC-11)	11/16"	1/2"	1/16"	3/4"	1000
12-512	(PPC-12)	3/4"	1/2"	1/16"	25/32"	500
12-516	(PPC-16)	1"	1/2"	1/16"	29/32"	–
Bulk Cartons						
12-602	(PPC-2)	1/8"	1/2"	1/16"	23/64"	1000
12-603	(PPC-3)	3/16"	1/2"	1/16"	27/64"	1000
12-604	(PPC-4)	1/4"	1/2"	1/16"	29/64"	1000
12-605	(PPC-5)	5/16"	1/2"	1/16"	1/2"	1000
12-606	(PPC-6)	3/8"	1/2"	1/16"	17/32"	1000
12-607	(PPC-7)	7/16"	1/2"	1/16"	9/16"	1000
12-608	(PPC-8)	1/2"	1/2"	1/16"	19/32"	1000
12-609	(PPC-9)	9/16"	1/2"	1/16"	5/8"	1000
12-610	(PPC-10)	5/8"	1/2"	1/16"	21/32"	1000
12-611	(PPC-11)	11/16"	1/2"	1/16"	3/4"	1000
12-612	(PPC-12)	3/4"	1/2"	1/16"	25/32"	1000
12-616	(PPC-16)	1"	1/2"	1/16"	29/32"	500

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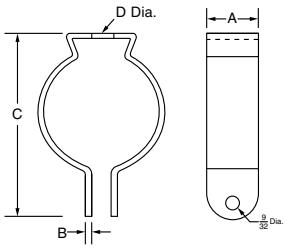
Conduit Hangers

Cat. No.	Trade Size	EMT Size	Pipe Size	Dimensions (in.) A	B	C	D	Std. Ctn.
16-101	0	½"	⅜"-½"	¾	.045	1 21/32	9/32	500
16-102	1	¾"	¾"	⅞	.045	1 31/32	9/32	500
16-103	2	1"	1"	⅞	.045	2⅜	9/32	500
16-104	2½"	1¼"	—	⅞	.045	2 23/32	9/32	500
16-105	3	1½"	1¼"	⅞	.045	2⅞	9/32	250
16-106	4	—	1½"	1	.071	3⅜	11/32	250
16-107	5	2"	2"	1¼	.071	3 29/32	11/32	50
16-108	6	—	2½"	1¼	.071	4 9/32	11/32	50
16-109	7	—	3"	1¼	.071	5 3/16	11/32	25

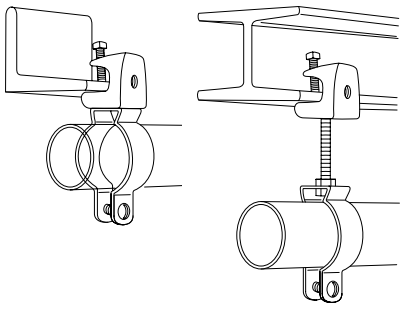
Hangers with Bolts and Nuts Assembled

Cat. No.	Trade Size	EMT Size	Pipe Size	Dimensions (in.) A	B	C	D	Std. Ctn.
16-201	0	½"	⅜"-½"	¾	.045	1 21/32	9/32	500
16-202	1	¾"	¾"	⅞	.045	1 31/32	9/32	500
16-203	2	1"	1"	⅞	.045	2⅜	9/32	500
16-204	2½"	1¼"	—	⅞	.045	2 23/32	9/32	500
16-205	3	1½"	1¼"	⅞	.045	2⅞	9/32	250
16-206	4	—	1½"	1	.071	3⅜	11/32	250
16-207	5	2"	2"	1¼	.071	3 29/32	11/32	50
16-208	6	—	2½"	1¼	.071	4 9/32	11/32	50
16-209	7	—	3"	1¼	.071	5 3/16	11/32	25
16-210	8	3"	3½"	1¼	.071	5 7/16	11/32	10
16-211	9	4"	4"	1¼	.071	5⅞	11/32	10



T&B rough-in products include a complete line of:

- ***Conduit hangers.***
- ***Pipe straps for both EMT and rigid conduits.***
- ***Steel and nonmetallic cable staples.***
- ***Plastic connectors for NM cable and flexible cord.***



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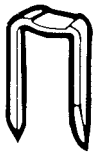
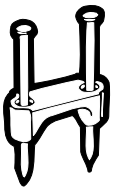


Steel Cable Staples

Cat. No.	Size	Description	H	W	Std. Ctn.
For NM Cable					
17-120TB	½"	2 wire #12 or #14			5000
17-130TB	½"	Rome x up to	⅞	½	5000
17-140TB	½"	½" wide			5000
17-140B	½"				10000*
17-140XB	½"				17000
17-122TB	9⁄16"	3 wire #10 or #12			5000
17-132	9⁄16"	B X Rome x; UF up	1⅛	37⁄64	5000
17-142	9⁄16"	to 9⁄16" wide			5000
17-142B	9⁄16"				8000
17-123	¾"	3 wire #6 SEU	1 5⁄16	25⁄32	1000
17-124TB	1"	3 wire #2 SEU	1½	1	1000

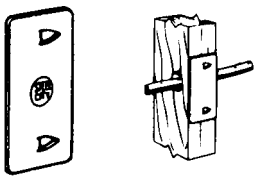
* Reusable Plastic Bucket



CSA Certified

Plastic Cable Staples

Cat. No.	Size	Description	Std. Ctn.
17-214	½" (bag)		500
17-224	½" (ctn.)	2 wire, 12-14 Romex, UF and	5000
17-234	½" (ctn.)	other NM cable	5000
17-215	¾" (bag)	3 wire #10 or 12 Romex	500
17-225	¾" (ctn.)	UF up to 9⁄16 wire	5000
17-235	¾" (ctn.)		5000
17-216	⅝" (bag)		500
17-226	⅝" (ctn.)	Romex, UF and other NM cable	5000
17-236	⅝" (ctn.) 1	0-12-14	5000



Cable Protector Plate

Cat. No.	Description	Std. Ctn.
CP-1	Steel Clip	100

- ***Protects wires, cords and cables from nail and screw penetration.***

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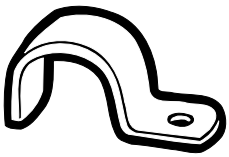
- *Galvanized finish.*
- *Easily bends or twists to desired shape.*

Perforated Hanger Strap (¾" Wide, 20 Gauge)

Cat. No.	Description	Std. Ctn.
16-261	10' individually boxed	10
16-263	50' bulk	1
16-264	100' bulk	1



"One-Hole" Steel Conduit Snap-Straps

Cat. No.	Conduit Size	H	L	Hole Diameter	Std. Ctn.
For Thinwall Conduit					
16-900	½"	23/32"	1¾"	¼"	500
16-901	¾"	59/64"	1 15/16"	¼"	500
16-902	1"	1¼"	2⅝"	¼"	500
16-903	1¼"	1½"	3⅛"	9/32"	500
16-904	1½"	1¾"	3⅝"	13/32"	100
16-905	2"	2 3/16"	4 3/16"	13/32"	50
16-927‡	2½"				25
16-928‡	3"				25
16-930‡	4"				25
For Rigid Conduit and Pipe					
16-920	⅜"				500
16-921	½"	⅞"	2⅛"	9/32"	500
16-922	¾"	1 1/16"	2 7/32"	9/32"	500
16-923	1"	1¼"	2 11/16"	9/32"	500
16-924	1¼"	1¾"	3 5/16"	11/32"	250
16-925	1½"	2"	3¾"	13/32"	250
16-926	2"	2¼"	4½"	13/32"	50
16-927‡	2½"				25
16-928‡	3"				25
16-930‡	4"				25

‡ These sizes do not have snap-on feature.

Drive Straps

Cat. No.	EMT Size	Pipe Size	Std. Ctn.
For EMT and Pipe (Zinc Plated)			
16-941	⅜"-½"	⅜"	1000
16-942	¾"	½"	1000
16-943	1"	¾"	1000
For Copper Tube and Pipe (Copper Plated)			
16-945	½"	⅜"-½"	1000
16-946	¾"	¾"	1000

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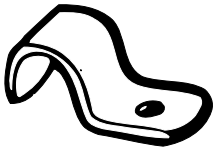
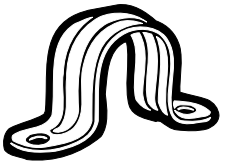


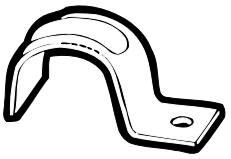
Extra Duty "One-Hole" Snap-Straps

Cat. No.	Thinwall Conduit Size	Std. Ctn.
16-910	½"	500
16-911	¾"	500



"Two-Hole" Steel Straps

Cat. No.	Conduit Size	Std. Ctn.
For Thinwall Conduit		
16-401	½"	500
16-402	¾"	500
16-403	1"	500
16-404	1¼"	250
16-405	1½"	250
16-406	2"	125
16-417	2½"	125
16-418	3"	100
16-420	4"	50
For Rigid Conduit and Pipe		
16-411	½"	500
16-412	¾"	500
16-413	1"	500
16-414	1¼"	250
16-415	1½"	250
16-416	2"	125
16-417	2½"	125
16-418	3"	100
16-419	3½"	75
16-420	4"	50



Service Entrance Cable Straps

Cat. No.	SE Cable Size	Std. Ctn.
ECS-6	3:6, 2:6, 1:8	100
ECS-2	3:2, 2:2, 1:4, 3:4	100
ECS-2/0	3:2/0, 3:1/0	50
ECS-4/0	3:4/0	50

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Chemical Products

Electrical Contact Cleaner

Cat. No.	Description	Std. Ctn.
15-DCCNF	Helps protect electrical and electronic equipment	12

A combination of cleaning solvents that are designed to remove oxidation, carbon, grease, oil, dirt, and corrosion deposits on electrical and electronic equipment. Cleans and penetrates surface pores leaving a clean, dry surface. Eliminates noise caused by dirt and dust.

Volume: 15 oz. Residue: None

Evaporation Rate: Fast Flash Point: None

Odor: Ethereal

Warning: Avoid breathing vapor or spray mist. Over exposure can cause drowsiness, nausea, or unconsciousness. Do not spray in eyes or mouth. Avoid contact with skin, eyes and clothing. May attack some types of plastics or rubber. Pretest on small area before using.

Penetrating Oil

Cat. No.	Description	Std. Ctn.
15-301TB	Penetrating oil	12

Quickly cuts through dirt and scale to displace moisture and release corroded or rusted parts. For freeing fasteners, nuts, bolts, studs, pins, valves, pipe couplings, machine parts, etc. saving time and labor. Excellent for salt water corrosion and leaves an anti-rust film. Safe for use on metals, alloys, rubber and most painted surfaces.

Environmentally safe propellant.
Volume: 13 oz.
Density: 7.10 lbs. gal.
Flash Point: 140°F
Kauri Butanol Value: 32-35
Specific Gravity (H2O =1: 0.850
% Non-Volatile: 22%
Boiling Point Range: 350°-500°F
Vapor Pressure: 1.0mm (Hg)
Propellant: Propane

Note: Data given is for liquid portion of package, does not include propellant.

Warning: Keep away from heat, sparks, and flame.

Red Insulating Varnish

Cat. No.	Description	Std. Ctn.
15-500-HO	Protective coating for electrical and electronic equipment	12

An excellent, fast drying protective coating for electrical and electronic equipment. It dries to a hard, durable, flexible film that is resistant to abrasion, acids, oils, alkalies, moisture and dirt. High dielectric strength and arc-resistance, does not change electrical characteristics. For use on armature coils, boxes, cables, connectors, controls, motor windings, commutator ends, switchboard parts, and bus bars. Can be used as a primer or as a finish coat.

Environmentally safe propellant.

Volume: 13.5 oz.

Heat resistance: short term to 300°F

Warning: For use on metals only. May be harmful to some plastics, rubbers, and paints. Protect from overspray. Contains toluene, methylene chloride, and ketones.

RTV Silicone Adhesive/Sealant

Cat. No.	Color	Description	Std. Ctn.
15-RTS	Clear	A single component room temperature vulcanized silicone rubber	12
15-RTSW	White	A single component room temperature vulcanized silicone rubber	12

Use RTV for sealing, bonding, caulking, insulating and weatherproofing. When applied it reacts with moisture in the air and cures to a rubber-like product. RTV will adhere to clean metal, glass, most types of wood, silicone resin, vulcanized silicone rubber, ceramic, natural and synthetic fiber as well as many painted and plastic surfaces.

Volume: 7.25 oz.

Curing Time: A 1/16" to 1/8" bead dries in 1 hour, cures in 24 hours, and reaches optimal strength in 7 days.

Flash Point: 212°F

Odor: slightly medicinal

Spray Galvanizer

Cat. No.	Description	Std. Ctn.
15-501	Protects bare metal and previously galvanized surfaces	12

For protection of both bare metal and previously galvanized surfaces. 95% pure zinc, electrochemically protects metals and prevents rust and corrosion. Useful touch-up for all marred and or scratched hot-dip galvanized surfaces such as electrical equipment, boats, agricultural/mining/construction equipment, storage tanks and pipelines.

Dries to tough hard coat. Continues protection even if scratched. May be painted or left as a final protective coating.

Environmentally safe propellant.

Volume: 13 oz. Drying Time: Touch 10-15 minutes Binder: Epoxy Ester

Warning: For use on metals only. May be harmful to some plastics, rubbers, paints. Protect from overspray. Contains Xylene.

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Cutting and Tapping Oil

Cat. No.	Description	Std. Ctn.
15-303TB	Lubricant and coolant for cutting tools	12

Lubricates and cools cutting tools when drilling, tapping, threading, reaming, boring, and broaching. Out performs average cutting oils on all machine tools such as turret lathes, automatic screw machines, gear cutters, etc. and is easily applied during machining with uniform coverage. Prolongs tool and cutting edge life eliminating scoring and clatter-marks. It can also be used as an all-purpose lubricant, excellent for many uses on the job or in the shop. Also available in one quart and one gallon non-aerosol containers under the CTO™ label. Environmentally safe propellant.

Volume: 14 oz.

Product is a petroleum oil fortified with additives to provide lubricity, heat transfer, oxidation resistance and corrosion inhibition.

Warning: May be harmful to some plastics, rubbers, or painted surfaces.

Silicone Lubricant

Cat. No.	Description	Std. Ctn.
15-302	Multi-use lubricant and cleaner	12

A high quality silicone multi-use lubricant and cleaner that prevents sticking and keeps rubber gaskets soft and pliable. Resists oxidation and corrosion. It is a high temperature lubricant and cleaner relatively stable from -40°F to 500°F. Excellent heat transfer and anti-static agent. It is non-staining and good for waterproofing and protecting canvas, leather, wood and sliding surfaces.

Environmentally safe propellant.

Volume:	16 oz.	Appearance:	Clear
Flash Point:	120°F	Odor:	Mild
		Warning:	Keep away from heat, sparks, and flame.

Electrical Equipment Cleaner

Cat. No.	Description	Std. Ctn.
15-EEC	Three cleaners in one; Contact, Cable and Motor Cleaner	12

Three cleaners in one: electrical contact cleaner, electrical motor cleaner, cable cleaner. Contains no ODS (ozone depleting substances).

ZVolume:	12 oz.	Evaporation Rate:	Moderate
Odor:	None	Autoignition Temperature:	750°F
Chlorinated Solvent:	None	Cleaning Efficiency:	Very Good
Dielectric Strength:	47KV	Flash Point:	130°F in aerosol

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- ***Proven formulations with wide acceptance.***
- ***The most popular lubricants, cleaners and coatings used every day for electrical maintenance.***

Moisture Displacing Lubricant

Cat. No.	Description	Std. Ctn.
15-300	Moisture displacing lubricant	12

Can prevent up to 80% of all electrical failures caused by moisture in switches, relays, motor controls, electrical or electronic equipment. It inhibits corrosion, lubricates and penetrates, inhibits leakage and arching, restores surface resistance and dielectric values. Reduces potential of electrical and electronic failures due to high humidity and salt air. Protects shelf items from corrosive attack during storage. Lubricates without leaving gummy residue.

Volume: 12 oz.
Density: 6.66 lbs. gall.
Flash Point: 105°F min.
Coverage: 4,000-5,000 sq. ft./gallon
Kauri Butanol Value: 35-36
Specific Gravity (H2O =1: .800
% Non-Volatile: 18%
Viscosity: 25-30 @ 72°F
Boiling Point Range: 300°-390°F
Vapor Pressure: 2.0mm (Hg)
Propellant: Propane

Note: Data shown is for liquid portion. does not include propellant.
Warning: Contains petroleum distillates. As with other petroleum distillates these may cause rubber to swell. Keep away from heat, sparks and flame.

"No Flash" Electrical Cleaner

Cat. No.	Description	Std. Ctn.
15-EEC-NF	No-flash quick drying electrical equipment cleaner	12

Can be used as a electrical motor, contact, and cable cleaner.

Volume:	16 oz.	Evaporation Rate:	Fast
Odor:	Strong	Autoignition Temperature:	770°F
Chlorinated Solvent	Yes	Flash Point:	None
Dielectric Strength:	30KV		

Wasp and Hornet Killer

Cat. No.	Description	Std. Ctn.
15-700	Insecticide for indoor and outdoor use	12

Kills wasps, hornets, and yellow jackets from as far as 20 feet away. Saturating nests, hiding and breeding places inhibits their return. Also kills spiders and tent caterpillers. For use indoors or outdoors.

Volume:	16 oz.	Dielectric Strength:	26.5KV (ASTM D-877)
Flash Point:	None	EPA Reg. No.: 36994-55359	
Fire Point:	None		

Warning: Hazards to humans and domestic animals: Avoid contact with eyes or clothing. Wash thoroughly after handling. Harmful if swallowed. Physical and chemical hazards: Contents under pressure. DO NOT puncture. DO NOT use or store near open flame. Exposure to temperatures above 130°F may cause bursting. Storage: Keep in locked storage area.

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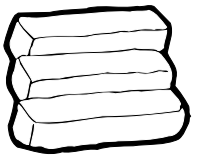
- *Seals around junction boxes, flashings, service mast entries, service cable entries and countless other applications.*
- *Easy to use, forms around irregular surfaces and configurations.*
- *Highly resistant to cracking, drying and shrinking.*
- *Cuts and trims easily.*

Silicone Lubricant for High Voltage Electrical Work

Cat. No.	Size	Std. Ctn.
SL-5	5 oz.	12



- *Can be painted immediately after application.*
- *Gray color.*
- *No unpleasant odor.*
- *+20°F to 212°F workable temperature range.*
- *-40°F to 250°F service temperature range.*
- *Contains no asbestos.*

Duct Seal

Cat. No.	Description	Std. Ctn.
DX-1	1 lb. slug	50
DX-5	5—1 lb. slugs	10
DX-5S	5 lb. slug	10

U.L. Classified R13335

Note: Not classified as a "Fire Stop."
For moisture and air sealing only.

- *For removing oxides from conductor surfaces.*
- *Easy grip handle with glove guard to prevent rubber glove puncture.*
- *Long life brushes can be rotated and are replaceable.*
- *Handle and guard coated with durable nonconductive plastic.*

Wire Bristle Brush

Cat. No.	Type	Std. Pkg.
WWB1	Complete brush with handle	6
WRB1	Wire element only, pair	30

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CONTAX™ Oxide Inhibiting Compound

- *Seals electrical connections from oxygen and moisture.*
- *Non-water soluble, non-petroleum based polymer grease.*
- *Non-toxic, will not irritate the skin.*
- *Service temperature to 460°F can be applied in 0°F weather.*

Cat. No.	Size	Std. Ctn.
CTA	½ oz. package	400
CTB	4 oz. plastic bottles	72
CTB8	8 oz. plastic bottles	12
CTQ	quart cans	6
CTG	gallon cans	2

CTO™ Conduit Threading Oil

- *Dark cutting lubricant.*
- *Extends life of cutting and threading tools..*
- *Contains no ODS (ozone depleting substances*

Cat. No.	Description	Std. Ctn.
15-303TB	16 oz. Aerosol	12
15-111	1 quart	12
15-112	1 gallon	4

This oil is a premium petroleum type cutting oil, chemically compounded to provide an excellent lubricant and coolant for heavy duty threading, cutting, tapping and drilling.

Volume: 16 oz. aerosol, 1 quart, 1 gallon
Odor: Slight
Viscosity: 425-450 SUS @ 100°F
Chlorinated
Ingredients: None
Flash Point: Above 400°F

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19-806

19-806 Voltage Tester

T&B model 19-806 features include:

- Dual voltage indication: Solenoid vibration sensing and electronic neon visual indication.
- Positive AC/DC voltage identification: 120, 240, 480, 600 VAC 60/50 Hz; 120, 240, 600 VDC.
- Positive or negative DC pole identified by neon lamp.
- Replaceable leads.
- Retractable and locking, spring loaded shrouds protecting metal probes.
- Durable metal probes capable of piercing insulation covered conductors.
- Self-extinguishing, high impact sealed case and prod assemblies preventing dirt, dust and small objects from entering the tester.
- Case serves as prod holder for one-handed operator.

Model 19-806

Cat. No.	Description	Std. Ctn.
19-806	Voltage Tester-Solenoid Type	10

19-660C

19-660C Audible Voltage Continuity Tester

T&B model 19-660C is designed for the everyday needs of the professional electrician and are made in USA. This solenoid-type tester model features include:

- ***Three voltage indications: Solenoid vibration sensing, electronic neon visual indication, and audible buzzer.***
- ***Positive AC/DC voltage identification: 6 to 600 volts 60/50 Hz.***
- ***Automatic testing for continuity through 300K ohms.***
- ***Electronic buzzer indication for AC/DC voltage and continuity.***
- ***Positive or negative DC pole identifies by neon lamp.***
- ***Replaceable leads.***
- Retractable and locking, spring loaded shrouds protecting metal probes.
- Durable metal probes capable of piercing insulation covered conductors.
- Self-extinguishing, high impact sealed case and prod assemblies preventing dirt, dust and small objects from entering the tester.
- Includes A76 batteries.
- Case serves as prod holder for one-handed operator.

Model 19-660C

Cat. No.	Description	Std. Ctn.
19-660C	Audible Voltage/Continuity Tester-Solenoid Type	10

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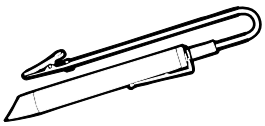
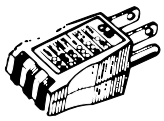
Wire Testing Equipment



- *Heavy chrome plated, all brass casing.*
- *Also acts as convenient size flashlight.*
- *For use only on de-energized circuits.*
- *Requires two AA batteries (not included).*

Continuity Testers

Cat. No.	Description	Std. Ctn.
19-083	Tester, 36" leads,	6
19-005	Replacement Lamp	6

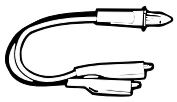


- *Conveniently tests receptacles for proper wiring including polarity and presence of safety ground wire.*
- *Easy to read indication legend.*
- *Pocket size.*
- *U.L. Listed, CSA Certified.*
- *Label gives interpretations of all readings.*

Receptacle Tester

Cat. No.	Description	Std. Ctn.
19-060	Receptacle Tester for 120V circuits	6

U.L. File E-80682



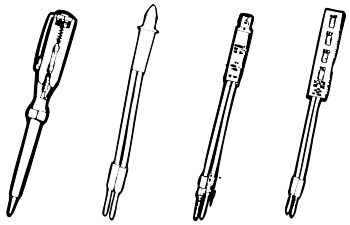
19-080

19-102

- *12 to 60 volts.*
- *Long Life bulb in clear plastic handle.*

"Low Volt" Testers

Cat. No.	Description	Std. Ctn.
19-080	Low-Volt Tester; 15" span length	6
19-102	Low-Volt Tester; 11" span length	6



19-079 **19-081** **19-101** **19-103**

- *90 to 250 volts AC/DC.*
- *Convenient pocket clip on 19-079, 19-081 and 19-101.*
- *19-103 features 4 separate bulbs for 110, 220, 277, 440.*
- *80-600 volts AC/DC.*

"High Volt" Testers

Cat. No.	Description	Std. Ctn.
19-079	Tester & Screwdriver, 5" overall length	6
19-081*	Hi-Lite Tester, 7" span length	6
19-101	"Hi-Volt" Tester, 9" span length	6
19-103	"4-Way" Tester (110, 220, 277, 440), 11" span length	6

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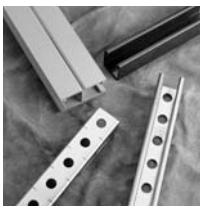
Your electrical connection.

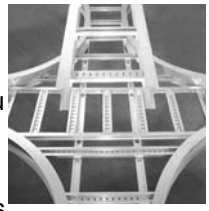
Time-saving features ... Thomas & Betts quality!

Terminals. Cable ties. Cable trays. Tools. And thousands of other electrical wire and conduit termination/management products. All designed to save installation time. And all available from the company behind the industry's most trusted brands—Thomas & Betts.



Kindorf channel- Modular, corrosion resistant metal framing is a snap to install.

Whether you're stocking a crib program or using advanced JIT procurement, specifying Thomas & Betts products can help you reduce inventory and handling costs now, and help you save installation time.



T&B Cable Tray - Steel and aluminum tray systems for raceway management.

For more information on the broadest line and the best brands in the industry, see your Thomas & Betts distributor or call **1-888-862-3289**.

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